



ecube concrete consultants



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e-cube concrete consultants LLP, Thane - who are we?

Introduction

e cube concrete consultants LLP formerly known as Con-Tech Group was formed in the year 2005 by technocrats to offer total consultancy services to Construction, structural investigation, and Ready-Mix Concrete Industries. The services offered include advanced non-destructive testing of concrete, RCC structural audit in association with a panel of RCC consultants, technical support to architectural restoration and frontier areas of concrete like High strength concrete, Self-Compacting Concrete, High performance concrete, Ultra High-Performance concrete, UTWT, and special purpose concrete. The strength of the group is in the development of special products for construction industries' specific requirements and takes great pride in having been associated with reputable clients.

e cube concrete consultants LLP offers to participate in the project as a specialist agency, undertaking production & maintenance of Ready Mix Concrete Plant with responsibility of delivering quality concrete by conducting stringent quality control and quality audit and keeping in mind needs of skilled manpower in Ready Mix Concrete Industry, e cube offers tailor made technical training programs for personnel of various levels from workmen to senior administrators of construction industry depending on their needs.

e cube has fully equipped concrete testing laboratory at Thane and undertake all routine standard tests, specialized testing of concrete, like rapid chloride penetration test, water permeability test, initial surface absorption test, shrinkage test, carbonation test, and chemical analysis of hardened concrete.

Concrete Testing laboratory equipped with following equipment/test setup.

- Portable ultrasonic non-destructive digital indicating tester.
- Schmidt rebound hammer testing instrument.
- Half Cell potential test instrument
- Core extraction machine.
- Carbonation depth test set-up
- Modulus of elasticity
- Drying shrinkage and moisture movement test setup
- Water permeability testing equipment. (DIN 1048/EN12390/IS:516)
- Initial surface absorption testing instrument. (BS 881)
- Rapid chloride penetration testing instrument. (ASTM C-1202)
- Rapid Chloride Migration Test (NT Build 492)
- Performance Evaluation of corrosion inhibiting admixtures (ASTM G109)
- Testing water seal for construction joints
- Compression testing machine capacity 3000 kN
- Concrete temperature monitoring
- Marsh cone test
- Sand column test bench for microfine grouting cement.
- All testing equipment and instruments for routine tests of cement and concrete and concrete making materials.

NABL ACCREDITED



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

E CUBE CONCRETE CONSULTANTS LLP

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

18, VARDHAMAN INDUSTRIAL PREMISES, GOKUL NAGAR, LBS MARG, THANEWEST, THANE,
MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number: TC-6362

Issue Date: 29/01/2022

Valid Until: 28/01/2024

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)

Name of Legal Identity : E-CUBE CONCRETE CONSULTANTS LLP

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer

*Renewal of accreditation is in process.

WE OFFER

e-cube concrete consultants LLP offer comprehensive services that encompasses the entire construction industry.

Concrete Consultancy Services

- Evaluation & Testing of Concrete making materials
- Concrete Mix Design Services:
 - o Ultra-High strength Concrete
 - o High Performance Concrete,
 - o Self-Compacting Concrete
 - o Reactive Powder Concrete
 - o Bendable Concrete
 - o Ultra-Thin White Topping
 - o Prefab concrete
 - o Permeable concrete
 - o Skate Park



Ready Mix Concrete

- o QA/QC Services
- o Batching plant operation
- Non – Destructive Testing
- Training Program on Concrete Technology

Technical Services for

- Concrete Mix design
- Construction chemical manufactures
- Mineral admixture suppliers
- Ready mix mortar/Binders
- Ready Mixed Concrete Plant
- Structural Repairs
- Concrete Quality Audit
- NDT and other tests and assessment of fire affected concrete structures.



WE OFFER

Concrete Consultancy Services – Some of our assignments

- Arihant - Aspire - Large residential complex at Panvel
- ACME - Residential projects in Mumbai and Thane
- Stone steel Pvt Ltd (Shapoorji and Pallonji) -Precast Elements Manufacture
- Nirma University, Ahmedabad
- Safal project at Ahmedabad
- NCC Ltd. Mumbai-Navi Mumbai Metro / Mumbai Metro
- Marathon Group
- REC Head Quarters at Gurgaon
- Larsen & Toubro Limited
- oOmkar 1973 high residential and commercial project. High Performance Concrete
- oOberoi, Goregaon and Borivali
- oEvaluation of concrete for durability as per international standards procedures. – Mumbai Monorail Project M60 + grade
- oKohinoor High-rise Residential and Commercial– consultancy for high strength – high performance concrete
 - Tata Housing Development Company Ltd.
- oHigh-rise Residential and Commercial Projects in Mumbai, Bangalore and Ahmadabad, Gurgaon, Kolkata, Chennai and Maharashtra – Concrete Technology Training
 - Tata Power, Khopoli and Trombay
- oConsultancy for rehabilitation of asphalt road by UTWT and new concrete road by UTWT technology
 - Maker Maxcity Mumbai - Concrete for marine environment
 - Safal Group, Ahmedabad – Commercial Center
 - Gammon India – Nathani Heights, Mumbai Central
 - Reliance Industries – Jamnagar, Harkisandas Hospital
 - NCCL New Delhi – World Trade Centre
 - Creative Infra Projects – Pre-cast Unit, Aurangabad
 - Counto Microfine Products Private Ltd.
 - JSW Cement Ltd.

WE OFFER

QA/QC and O&M services to RMC plants

QA / QC Services for RMC plant

- Shri Naman Developers RMC plant at Wadala, Bandra – Kurla Complex, Nerul – Wadhwa Project, Nerul – Wadhwa Project

- Chirag Construction RMC - plant at Govandi, Chandivali, Mankhurd, Borivali

- o Mix design for MCGM road project

- M/s Talib & Shamsi Construction Pvt. Ltd RMC plant Project at Koregaon Park, Pune,

- IVRCL – RMC Plant for Sea woods Project – Phase II

- o Mix Design for CIDCO project

- Symbiosis RMC – RMC plant at Andheri

- o Mix design for MCGM road project

- RMC plant for Upper Vaitarna Project (MCGM)

Operation, Maintenance & QA / QC Services for RMC plants

- M/s Talib & Shamsi Construction Pvt. Ltd

- o RMC plant for Amnora Project, at Pune

- o RMC plant for Dosti Group, Mumbai

- o RMC plant for Bhojwani at Mumbai

- o RMC plant for Nirlon Project at Mumbai

- NCCL.

- o RMC plant for Volkswagen Co. Chakan

- o Industrial Park, Budhni, Bhopal

- o Navi Mumbai Metro project and Mumbai Metro Line 3

Concrete Quality Audit

- o Pune Metro, Reach 1

- o Pune Metro Reach 2

- o Skyway RMC Plants

- o ACC RMC

- o Ultratech RMC

- o Lafarge RMC

Structural Investigation, Non-Destructive Testing and Condition Survey

Concrete Distress structure Investigation

- Mumbai Port Trust
- Jawahar Dweep Fourth Oil berth Jetty
- Naval Dockyard, Mumbai
- Inner breakwater jettty
- Navlaki Jetty (Near Raajkot)
- Air India Air Port Colony – Kalina
- Alta Monte –high rise - fire damage investigation
- Guardian Angel School, Goa
- DLF IT Complex Pune
- Parle Agro Ltd, Taloja
- PWD – Concrete Road
- TMC Concrete Road
- Bharat Petroleum Ltd – Chembur
- Chatrapati Shivaji Vastu Sahangralya
- SBI Head Office, Mumbai
- ACC Ltd
- India Bulls
- M/s Nagarjuna Construction Co. Ltd
- Kohinoor City Project at Vidya Vihar, Mumbai
- G-Corp Reality Pvt. Ltd – Thane Project
- Lavino Kapor Cottons Pvt Ltd, Tarapur, - Fire Damaged Industrial Structure.
- Many Housing Societies for Structural Audit purpose
- Pfizer India Ltd. Haridwar
- Float Glass, Mumbai
- Herdillia Chemicals, Navi Mumbai
- Tuticorin Port Trust
- Hatkeshwar Bridge, Ahmedabad
- 240 MLD STP Plant, Ahmedabad
- NPL, Ambivali
- JJ Hospital



Structural Investigation, Non-Destructive Testing and Condition Survey



Hindalco, Silvassa



Ven Petrochem, vapi

Structural Investigation, Non-Destructive Testing and Condition Survey



NPL, Ambivali



Jitendra EV, Nashik

Structural Investigation, Non-Destructive Testing and Condition Survey



240 MLD STP, Ahmedabad



Mumbai Port Trust Jetty

Structural Investigation, Non-Destructive Testing and Condition Survey



Asahi Glass, India



Submarine Jetty Naval Dock, Mumbai

Structural Investigation, Non-Destructive Testing and Condition Survey



Embio, Mahad, Maharashtra



Raymond Hospital, Mumbai

Structural Investigation, Non-Destructive Testing and Condition Survey



Emil pharmaceuticals, Tarapur



Kadrainaidu Palli Bridge Nellore, Andhra Pradesh

Structural Investigation, Non-Destructive Testing and Condition Survey



Wadsons India, Faridabad



Metro rail project, Navi Mumbai

CONCRETE LEARNING CENTRE

e cube concrete consultants LLP apart from offering various services to the construction industry, as enlisted in the previous pages, also endeavor to disseminate knowledge in the field of concrete, through a Learning Centre, functioning from their premises

This Centre offers training in concrete technology at various levels, from technicians to industry executives.

The programs could be standard modules as well as tailor-made for specific industry. Programs are also conducted at client locations, for large group of personnel.

oSome of the programmers conducted are for

- ACC Ltd.
- ACC Concrete Ltd
- Ambuja Cements Ltd.
- Kesoram Cement
- Sanghi Cement
- Star cement
- Rossari Biotech Pvt. Ltd.
- Choksy Chemicals Pvt. Ltd.
- Indorama Cement Ltd.
- Kohinoor Construction Pvt. Ltd.
- Indiabulls Ltd.
- Tata Housing Ltd.
- ZIGMA International
- Talib and Shamsi Construction Company
- Benet Colman (Times of India - Print City project}
- Gammon India Ltd.
- L & T Ltd.
- Anuvi Chemicals
- Tirupathi Group, Thane





OUR TEAM

SUHAS DHURI

DIRECTOR

Suhas Dhuri is a promoter and partner of e-cube concrete consultants LLP. In 15 years, he has established e cube as premier concrete consultancy in construction industry. He has worked with ACC Ltd for more than 25 years in various divisions like R&D, product development & ready-mix concrete. Total experience in concrete more than 40 yrs.

He is Civil Engineer from VJTI with professional membership of American Concrete Institute – India & Indian Concrete Institute, Mumbai. He is appointed as auditor by Ready Mix Concrete Manufacture’s Association

He was senior team member of ACC RMC Business from its inception and was looking after planning, designing & installation of new RMC & Aggregate Crushing plants. He was Head - Quality Control, looking after overall quality & optimization of concrete manufactured at all ACC RMC plants.

Prior to working in RMC division, he was member of Concrete Consultancy Group involved in Non-Destructive Testing of concrete structures, Techno-commercial marketing of cement-based products, providing technical assistance to Cement Marketing Division of ACC, developing new products like Ferro-cement Products and acting as a Faculty for various Training Programs in “Concrete Technology”. During his tenure in R&D division he was involved in evaluation of Blended Cements, Concrete Mix Design, and evaluation of concrete making materials including construction chemicals.

Suhas takes keen interest in operational excellence, which would include enhancing performance of people as well as systems. He endeavors to apply engineering principles, systems engineering concepts and lean manufacturing methods to improve business process. He is taking keen interest to improve technical skills of people working at various levels in RMC industry by conducting training programs.

He has participated in International Seminar on “Cement & Building Materials”.

He was involved in various prestigious projects like

- Designed & produced High Performance concrete (HPC) using OPC & GGBS from RMC plant
- Effective utilization of fly ash in RMC plants.
- Designed & Produced HPC M75 grade from RMC plant which is now commercially available from RMC plants in Mumbai which was first of its kind in India (Yr. 2000)
- Architectural restoration of BMC Headquarter
- Architectural restoration of David Sassoon Library, Mumbai

PRATAP SURVE

PARTNER

Pratap is a promoter and partner of e cube concrete consultants LLP. He has total experience of 30 years which includes more than 25 years in the ACC Ltd.

He is Chemistry graduate. He is appointed as auditor by Ready Mix Concrete Manufacture's Association

His main expertise is setting up of RMC plants from grass root level which includes Market and Feasibility Study, Site Selection, Plant and Equipment evaluation and selection, Procurement, Erection and Commissioning, Plant Operation and Maintenance.

He has helped many companies in De-commissioning of plants and re-commissioning at different locations

He is well aware of RMC business in Asia Pacific region.

Pratap has operated two of ACC's RMC Plants as Plant Manager for five years, where he was totally responsible for Plant erection and commissioning, Operation, QA/QC, Purchase, Maintenance, Marketing and market development and debtor control, profitability. During his tenure he carried out a number of modifications to existing plants for optimum performance. He is providing his expertise in development / indigenization of various equipment / instruments used in ready mix plants and is main force in e cube concrete consultants LLP' sister company viz. Contech Innovative Products.

Prior to working in RMC division, he has worked in R&D division working in project

- Development work in use of fly ash for building products like bricks – burnt and bonded, fly ash aggregate.
- Development work on use of mineral wastes for building products
- Use of alternate fuels in cement processing.
- Cement based products like Fasti-grout, Rapigrout for airforce rapid runway repair system, Minecrete, Shrinkcomp grout, Acconex,

Pratap was active member of editorial team for publication of handbook on Ready Mix Concrete, Contribution in preparation of RMC Operating manual, RMC HR manual.

He has conducted various training sessions for the young, qualified engineers and technicians in various RMC functions.

VINAYAK MUNDHE

PARTNER

Vinayak is a promoter and partner of e cube concrete consultants LLP. He has work experience of 30 years in the ACC Ltd.

He is a Chemistry graduate with a diploma in management study and post graduate diploma in Human Resource management from Mumbai University.

He has experience in handling contract labour. He looks after HR, Admin & Finance function in e cube concrete consultants LLP.

Prior to working in HR division Vinayak has worked in R&D division of ACC, looking after pilot plants in the areas of Catalyst, Absorbents, Refractories, and cement products.

He looks after employee development for e cube concrete consultants LLP and coordinating external training program for Ready Mix Concrete industry.

S. KRISHNAN

ASSOCIATE

Krishnan is an associate of e-cube consultants. He has working experience of 45 years which includes more than 30 years in ACC Ltd.

He is a Post Graduate in Chemistry from Madras University

His main expertise is in development of various products non-Portland cement systems, as well as ceramic products, concrete mix design and testing and training.

He was senior team member of ACC's Research and Development Division.

He has developed various products like, API Class G oil well cement, sulfo-aluminate rapid hardening cement, various grouting materials etc. He also has rich experience in testing of inorganic materials by both conventional and instrumental methods like AAS, XRD, DTA etc. as well as interpretations.

He was member of Concrete Consultancy Group involved in developing special concrete for rapid runway repair, encapsulation of nuclear waste, overnight road repair systems, non-explosive demolition of concrete structures, providing technical assistance to Cement Marketing Division of ACC etc. He has also worked in the RMC Division of ACC as corporate quality control coordinator and training of quality control engineers as well as customer support engineers in cement and concrete. He was faculty for various Training Programs in "Concrete Technology".

Krishnan has worked on special concrete like self-consolidating Concrete, preplaced aggregate concrete, non-shrink concrete, RPC, high performance concrete, Ultra high-performance concrete (UHPC), high volume fly ash concrete etc. He has well versed with international standards for concrete, as well as durability tests like RCPT, RCMT, ISAT, water permeability test etc. During his tenure he was involved in evaluation of Blended Cements, Concrete Mix Design, and evaluation of concrete making materials including construction chemicals and long-term study of cement and concrete. He was also heading the advanced microwave ceramic product facility of ACC Krishnan takes keen interest in operational excellence, which would include enhancing performance of people as well as systems. He endeavours to apply material science principles, and concepts and lean manufacturing methods to improve business process He has participated in International Seminar on "Cement & Building Materials". And published and presented papers.

DHANANJAY TALEKAR

ASSOCIATE

Dhananjay Talekar is a alumni of VJTI, Mumbai (1981) and Chartered Engineer_Civil (AMIE) from Institution of Engineers (India), Calcutta. Have a strong background of construction project management, with around 30+ years of wide-ranging field experience in projects execution, co-ordination, cost control, budgeting, quantity survey, and development of quality management systems with leading corporate contracting as well as real estate organizations with pan India projects. He has job exposure in execution of factory/industrial buildings, Corporate office buildings, Residential/Commercial multistory buildings/complex, Shopping complex, Hospital building, Club houses, etc.

Working since year 1981, have varied/extensive field experience among others with contracting companies M/s NCC, M/s Remex, M/s Puri Constructions, M/s Voltas Int. Ltd (15Yrs) & real estate majors M/s Ackruti City and M/s Indiabulls Real Estate. Adroit in executing projects involving contract administration, resource planning, including providing technical inputs for methodologies of construction & coordination with site management activities, evaluating designs, coordinating with consultants & contractors, swiftly ramping up projects with competent skills and ensuring on time deliverables. Endowed with a flair for adopting modern construction methods in compliance to quality standards. Deft at checking of work, drawing, monitoring and resolving day-to-day problems. An enterprising people manager with strong communication & interpersonal skills.

He had opportunity develop and formulate quality management systems manual for uniform & standardized processes, procedures for material inspections, workmanship checks & regular audits across pan India projects of the real estate company. Initiated & Conducted QMS awareness & training at various locations, run through the basics of QA & QC process for participants & help understand the various formats & reporting system. Developed and Implemented Quantity Formats, for reconciliations of major materials supplied for consumption in various works on project & to ascertain that material consumptions are as per requirement and satisfies quality of finished item/element.

NIKHIL MHATRE

ASSOCIATE

He is an associate structural engineer of ecube consultants. He has completed his M.TECH in structures from VJTI.

He has expertise in structural health assessment and design of structures.

He is empaneled as a structural engineer in MCGM, TMC, KDMC, NMMC.

He has worked on many projects such as:

Assessment of steel structures at Hindalco Nagpur

Assessment of JJ Hospital

Structural inspection of hatkeshwar bridge, Ahmedabad.

Assessment of NPL, Ambivali