



Engineering Staff College of India

An Autonomous Organ of The Institution of Engineers (India)
(ISO 9001:2015 Certified Institution)

Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. India



CIVIL & TRANSPORTATION ENGINEERING



High Rise Buildings (Tall Buildings) – Planning, Construction & Maintenance

16 – 19 July, 2019



(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

INTRODUCTION:

Housing is the most important infrastructure without which survival of the humanity would be miserable. In India, the population has been growing with a remarkable percentage growth in urban population. It is very difficult to find vacant lands to fulfill the unlimited demand of houses, particularly in urban areas. Vertical expansion seems to be a prospective solution to solve this problem.

The public and private sector are playing very important role in providing housing by way of constructing tall buildings, i.e high rise buildings to provide a large floor area in a relatively small land area to maximize the optimum utilization of lands in urban centers. Hence it is evident that the human aspiration to build increasingly tall structures are inherent from the ancient times bearing examples of pyramids of Giza, Egypt – Mayan temples of Mexico, Qutub Minar of India.

The lateral stability of the structure is most important in addition to the strength, serviceability, human comfort, ductility in design requirements duly integrating architecture with structural design as a complex one.

It is essential for everyone involved in construction industry to understand the sequence and programme of planning, construction and issues involved in maintaining the structures to full fill the designed life of structure.

OBJECTIVE:

The objective of the programme is to familiarize and improve the skills of the participants with the concepts of planning, design philosophy, construction methods and maintenance of high rise buildings including methodology for quality control.

COURSE COVERAGE:

- ◆ Integrated planning and design concepts of High rise Buildings
- ◆ Characterization of Ground
- ◆ Foundations and challenges – Geotechnical Aspects
- ◆ Structural analysis of seismic resistance in High rise Buildings
- ◆ Steel concrete composites
- ◆ Post tensioned slab system
- ◆ Concrete Mix Design & Pumpable concrete for tall structures
- ◆ Maintenance of high rise buildings
- ◆ Construction Safety - Planning
- ◆ Formwork, Shuttering & Scaffolding design & Execution.
- ◆ Case studies, group discussion, site visit will be included in the programme

METHODOLOGY:

The programme will be conducted in an interactive environment providing greater scope for discussions. Emphasis will be on a highly participative style. Every participant will be given study material.

TARGET PARTICIPANTS:

This programme is planned especially for analysts, designers, construction and maintenance engineers, architects, builders and consultants. The course is suitable to all engineers and architects working at middle and senior level working in government, public and private sectors as well as consultants, practitioners and builders.

BENEFIT TO THE PARTICIPANTS:

1. Understanding issues related to planning, structural design, maintenance, Quality & Safety in construction of High Rise Buildings.
2. To get exposure to innovative techniques and new technologies used in construction of High Rise Buildings/ Structures.
3. To gain an overview of latest developments in High Rise Construction.

RESOURCE PERSONS:

Renowned personalities both from industry as well as educational institutes / universities, who are experts in this field, will be involved in providing the training.

PROGRAMME VENUE & DATES & TIMINGS

VENUE: Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad 500 032, India.

Dates:

16 – 19 July, 2019

Timings:

On the first day Registration will commence at 0900 hrs 16th July, 2019. On all other days, the programme timings will be from 0945 - 1715 hrs with breaks in between for tea and lunch.

COURSE DIRECTOR

Shri P. Muralikrishna
Faculty & Head I/C, CTE Division

COURSE COORDINATOR

Ms. Ch. Jyostna
Faculty, CTE Division

FEES

₹. 20,000/- (Rupees Twenty Thousand Only) (Residential fee) per participant. Fee includes, course material, course kit and twin-sharing AC accommodation, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training programme.

Discounts

- ❖ **Non-Residential Fee-** 10% discount on course fee is allowed for non-residential participants.
- ❖ **Group Discount:** Additional 10% discount for three or more participants, if sponsored by the same organization.

GST 18% is to be paid extra over and above the training fee, as training is also brought under the purview of **Service Tax. PAN Card No AAATT3439Q; Service Tax registration No AAATT3439QST008 (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).**

GSTN Number – 36AAATT3439Q1ZV (HSN Number – 999293)

Programme fee is to be paid in favor of **“IE (I) – Engineering Staff College of India”** in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by **Electronic Fund Transfer (EFT) to ESCI - SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by NEFT/ RTGS/ IFSC Code No. SBIN 0004159 – MICR No.500002075.** While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.

REGISTRATION:

Online registration shall be available on ESCI website

To register, manually please send your nominations giving details of name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee.

addressed to:

Head, Civil & Transportation Engineering Division

Engineering Staff College of India
Old Bombay Road, Gachi Bowli, Hyderabad - 500 032
Phone: 040- 66304100 (Reception) / Direct : 6630 4115, 4114, 4138
Email : cte@escihyd.org

CERTIFICATE:

A certificate of participation will be awarded to each participant on conclusion of the programme.

GENERAL INSTRUCTIONS:

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop **on payment basis** from Airport / Railway Stations / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participant directly to the Cab.
- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation) please feel free to contact programme officer 040-66304115, **9866771815**.
- Well developed Information Centre and Internet facilities are available at free of cost to the participants.