



Engineering Staff College of India

An Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad-500 032

An ISO 9001:2015, ISO 14001:2015, ISO/TEC 17025:2017, ISO 45001:2018,
ISO 50001:2018 Certified, AICTE & CEA Recognized Institution



CIVIL & TRANSPORTATION ENGINEERING DIVISION

Training and Development Program On Recent advances in planning, Design, construction & Maintenance of High rise Buildings

10th – 14th June, 2024



Centre for Promotion of Professional Excellence

INTRODUCTION:

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 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. High rise buildings are an efficient use of limited urban space and floor, which is becoming increasingly scarce in many cities around the world. By building vertically, it can accommodate a larger number of residents and businesses without requiring a larger land or floor area. This can help prevent bad urban planning and floor issues, leading to increased traffic congestion, longer commutes, and a greater strain on natural resources. This can reduce the need for car travel and make it easier for people to access essential services

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. Hence, 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.

OBJECTIVES:

- The objective of the programme is to familiarize and improve the skills of the participants with the concepts of planning, design philosophy, construction methods
- To impart knowledge on maintenance of high rise buildings including methodology for quality control.
- To impart knowledge on QC & QA in project execution
- Reducing the construction time by using advanced supplements in the concrete

COURSE COVERAGE :

- Overview of Planning, Design, Construction & Maintenance of High Rise Buildings & Recent advances
- Planning Concepts and Statutorily Approvals, IS Codes for High Rise Buildings
- Characterization of Ground & Overview of Foundations and Challenges – Geo-technical aspects.
- Structural Analysis of Seismic Resistant - High Rise Buildings
- Deep excavation for High Rise Buildings – Solutions
- Formwork, Shuttering & Scaffolding – Design , Construction & Execution Techniques
- Safety planning & Fire hazards – Solutions in High Rise Buildings.
- Field Visit
- Group discussion & Case study presentations by participants

BENEFITS TO THE ORGANISATION AND PARTICIPANTS:

- Participants will understand issues related to planning, structural design, maintenance, Quality & Safety in construction of High Rise Buildings.
- To get exposure to innovative techniques and new technologies used in construction of High Rise Buildings/ Structures.
- To gain an overview of latest developments in High Rise Construction.
- Identifying the advanced materials and technology and its practice in the real project
- Improve the organization investment by having an effective structure along its lifetime
- Developing the skill set of the employees to utilize the latest materials in concrete for construction.
- Boost the skill for the betterment of quality in projects.

TARGET PARTICIPANTS:

This course is suitable to all engineers and officers working at junior level to senior level from Roads and Buildings, PWD, Municipal Corporations, Panchayat Raj, Housing Boards, GHMC, RITES, SCCL Border Roads Development to participate in the program which will benefit to your organization and Engineers.

RESOURCE PERSONS:

Renowned personalities both from Industry / Educational Institutions like IIT's/ NIT's / Research Institutes, Reputed 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.

DATES : 10th – 14th June, 2024

Registration : 09:45hrs.

Session timings : 09:45 – 17:15 hrs with 3 times breaks.

COURSE DIRECTOR:

Dr. R Venkat Reddy, Ph.D (Osmania), FIE
Head

COURSE COORDINATOR:

Ch. Tilak – Faculty

COURSE FEES:

Rs.25,000/- (Rupees Twenty Five Thousand Only) + GST 18% per participant. Fee includes, Soft copy of course material, course kit and Twin Sharing AC accommodation, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training program.

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) (ZC) 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:

Please send your nominations

To
The Head
Civil & Transportation Engineering Division
Engineering Staff College of India
Old Bombay Road, Gachi Bowli, Hyderabad - 500 032
Mobile : **9490011311 / 9492011311**
Phone: 040-6630 4114, 4115, 4107, 4134
Email : cte@escihyd.org

CERTIFICATE:

A certificate of participation will be awarded to each participant.

GENERAL INSTRUCTIONS

- ESCI encourages participants to present case studies from their respective organizations.
- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200hrs) and one day after conclusion (Check-out 1100hrs) of the program duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation).