

Two Days Conference on

# EVOLVING TRENDS IN TALL BUILDINGS

Date: 12<sup>th</sup> & 13<sup>th</sup> July, 2018

Venue: Convention Center, L&T Campus, Manapakkam, Chennai



## ORGANISED BY



**Indian Concrete Institute**  
Chennai Centre



**L&T Construction**  
Buildings & Factories

## IN ASSOCIATION WITH



Indian Institute of  
Technology Madras



Anna University,  
Chennai



CSIR - SERC,  
Chennai

## MEDIA PARTNER

**THE Masterbuilder**  
Nobody Covers Civil Engineering Better

## ABOUT THE CONFERENCE

This is a remarkable and interesting period in India for the tall building industry. There has been a phenomenal growth in the population of tall buildings in the country in recent times. Tall buildings are increasingly becoming the choice of residence and work for much of the urban population due to the quality of living, convenience and iconic status they offer their residents. In line with this demand, the tall building industry has responded in ingenious ways with highly efficient designs, superior construction methods and latest digital technologies to make these projects a reality. The Bureau of Indian Standards (BIS) has recently released its new code, IS 16700 "Criteria for Structural Safety of Tall Concrete Buildings", which the industry is in early stages of embracing. The BIS has also recently revised the NBC and sections of IS 875 that determine wind loads on tall buildings.

The time is right for the tall building community in India to come together, review, share, discuss and debate the latest developments in the field. With this in mind, ICI along with L&T is organizing a two days conference on evolving trends in the tall building design and construction. The conference will invite pioneers of the community to share their views on the future of the field through several keynote lectures. It invites members to share their knowledge by participating in the conference, and by submitting technical papers or case studies on themes such as architectural and services design, structural and geotechnical engineering, construction technologies and digital engineering.



## ABOUT INDIAN CONCRETE INSTITUTE

Indian Concrete Institute is the premier professional body for Concrete technologists not only in India but also all over the world. It has in its fold the captains of construction industry, building material manufacturers, leading consultants & civil engineers, contractors, academicians and educational institutions. ICI was founded in 1982 and has celebrated its Silver Jubilee. ICI has more than 12,000 members attached to 38 centers spread across the country. It also has 215 plus Student Chapters with around 7000 student members.

### The major objectives of the ICI are:

- To promote growth of concrete construction and its sub-specializations.
- To disseminate information and to arrange to train personnel for the needs of changing concepts in the technology.
- To collaborate with national and international agencies in creating better understanding of concrete construction technology.
- To identify R & D problems of practical relevance to concrete construction technology.
- To institute and distribute awards for outstanding achievements in concrete construction technology.
- To arrange periodical seminars and exhibitions on the subject and
- To arrange annual lecture series on selected topics of relevance to concrete constructions.

ICI has international collaborations with Asian Concrete Federation, Singapore Concrete Institute, Concrete Institute of Australia etc. ICI Publishes Quarterly Journal containing peer-reviewed technical papers, technical abstracts from about 40 Journals. It gives 15 awards every year for various achievements / fields of civil engineering in its Annual General Meetings. ACI, RILEM and FIB has commenced an alliance with ICI.

## ABOUT L&T

**L&T Construction. We build the projects that build the nation.**

Larsen & Toubro (L&T) is an US 17-billion dollar engineering, technology, construction manufacturing and financial services conglomerate. Recognized by Forbes as one of the Most Innovative companies in the world, L&T is also ranked 4th in the global list of Green Companies in the industrial sector by the Newsweek magazine. A strong customer-focused approach coupled with strict adherence to global HSE standards and a constant quest for top-class quality have enabled L&T sustain leadership in the business sectors it operates in for over 75 years.

L&T Construction is the construction arm of L&T. Ranked 25th among the top 250 global contractors by Engineering News Record in 2016, L&T Construction is India's largest construction organization offering EPC solutions with single-source responsibility for executing large industrial and infrastructure projects from concept to commissioning. L&T Construction straddles eight related businesses Buildings & Factories, Metallurgical & Material Handling, Transport Infrastructure, Heavy Civil Infrastructure, Power Transmission & Distribution, Water & Effluent Treatment, Smart World & Communications and Restructure with proven capability for executing all types of mega projects on a turnkey basis involving innovative designs, comprehensive construction services that include procurement, supply, installation, testing and commissioning.

The organization has an ever-spreading global footprint with worksites across 20 countries worldwide in South Asia, South East Asia, the Middle East, Russia and Africa. L&T Construction was one of the earliest companies to operate in the Gulf and, over the years, has gained significant market presence in UAE, Oman, Qatar, Saudi Arabia, Kuwait and Bahrain for executing projects on EPC basis.

## KEY NOTE SPEAKERS

Ms. Alpa Seth,  
VMS, Mumbai

Mr. Anil Hira,  
Buro Happold Engineering, Mumbai

Prof. Devdas Menon,  
IIT Madras

Dr. Hari Krishna,  
CSIR-SERC, Chennai

Prof. R S Jangid,  
IIT Bombay

Mr. Jaydeep Wagh,  
Geocon International, Mumbai

Prof. Koshy Varghese  
IIT Madras

Prof. Manu Santhanam  
IIT Madras

Mr. Nayan B. Trivedi,  
LERA, New York, USA

Mr. Pankaj Dharkar  
PD & Associates, Mumbai

Mr. Sandeep Shikre  
SSA Architects, Mumbai

Dr. K Suresh Kumar,  
RWDI, Thiruvananthapuram

Mr. Tak Mathews,  
TAK Consulting, Mumbai

**and other experts**



**Prospective authors are invited to submit their research / technical articles or case studies in the following themes**

### Architecture for Vertical Urbanization

- Plan Density / Livability
- Facades / Double Facades
- Human Comfort
- Green Buildings
- Exoskeletons
- Mixed use Planning / Development

### Engineering Modern Heights

- Structural Systems
- Wind forces: The Challenge
- Dampers for Resilient Tall Buildings
- Composite Design for Tall Buildings
- Performance Based Design
- Geotechnical Engineering for Tall Buildings

### Smart and Digital Technology

- BIM Integration and Sustainability
- Parametric Modelling
- Virtual Reality Application
- Automated System Operations
- Smart City Concepts
- Energy Efficiency

### MEP Integration

- Fire Protection and Evacuation
- Vertical Transport
- Public Health Engineering
- Sustainable Energy Harvest
- Public Addressal Systems
- Configuration of MEP Systems

### Construction Materials, Methods and Practice

- Constructability of Structural Systems
- High Performance Concrete
- Modular Construction
- Risk Management
- Safety Assessment
- Quality Aspects

## PARTICIPATION IS INVITED FROM

- Developers
- Contractors
- Architects
- Consultants
- Vendors
- Faculty
- Researchers
- Students
- Government Authorities and Regulatory Bodies



## Important Dates

Submission of short length papers	30.04.2018	Intimation of acceptance of short length paper	05.05.2018
Submission of full length papers	01.06.2018	Intimation of review decisions with comments/corrections	22.06.2018
Submission of Corrected full length paper	30.06.2018	Registration	01.07.2018
		Conference Date	12.07.2018 & 13.07.2018

For short length / full length paper submission and its format please visit: <http://www.indianconcreteinstitute.org/tall-buildings-conference.html>

## ADVISORY COMMITTEE

Er. Vivek Naik, President, ICI

Er. Manmohan Kalgal  
Imm. Past President, ICI

Er. Vinay Gupta, President, Elect ICI

Dr. A Meher Prasad, Prof., IIT Madras

Dr. Devdas Menon, IIT Madras

Dr. Ravindra Gettu, IIT Madras

Prof. CVR Murty  
Director, IIT Jodhpur

Prof. Santhosh Kapuria, Director, SERC

Dr. K Balaji Rao  
Chief Scientist & Advisor (Management), SERC

Er. K Veerappan, VP, L&T Construction

Er. C Y Shivaji  
VP, L&T Construction

Er. R Balakrishnan  
GM, L&T Construction

Dr. S S Ramakrishnan  
Prof., Head Civil, Anna University

Dr. M Sekar, Prof., Anna University

Er. Ajith Chordia  
President, CREDAI, TamilNadu

Er. Jeykumar  
Buildup Chairman, CREDAI, Chennai

## ORGANISING COMMITTEE

Er. Radhakrishnan  
Secretary General, ICI

Dr. K P Jaya, Chairperson, ICI-Chennai

Er. Venkataraman, Secretary, ICI CC

Er. K G K Moorthy, GC Member, ICI

Er. K Jayasankar, ICI

Er. M U Aswath, VP-South, ICI

Dr. B Sivarama Sarma  
GM, L&T Construction

Er. S Veeramani, GM, L&T Construction

Dr. V Govindaraj, DGM, L&T Construction

Er. Rakesh Kumar Garg  
JGM, L&T Construction

Er. C K Somaraju  
Chief Engg. Manager, L&T Construction

Er. S Padmanathan  
Chief Engg. Manager, L&T Construction

Dr. R Shiv Shanker  
Sr. Engg. Manager, L&T Construction

Dr. Amalan Kumar Senguptha  
Prof., IIT Madras

Dr. S R Satish Kumar  
Prof., IIT Madras

Dr. S Arul Jayachandran  
Prof., IIT Madras

Dr. Radhakrishna Pillai  
Prof., IIT Madras

Dr. Manu Santhanam  
Prof., IIT Madras

Dr. Rupen Goswami  
Prof., IIT Madras

Dr. R Senthil  
Prof., Anna University

Dr. C Umarani  
Prof., Anna University

Dr. K Chinnaraju  
Prof., Anna University

Dr. H Jane Helena  
Prof., Anna University

Dr. R Vidjeapriya  
Prof., Anna University

Dr. S Greeshma  
Prof., Anna University

Dr. V Ponmalar  
Prof., Anna University

Dr. S Rahima Shabeen, Prof., Anna University

Dr. S Selvi Rajan, SERC

Dr. P Harikrishna, SERC

Dr. Madhavi, SRM Ramapuram

Dr. Senthil, CREDAI, Chennai

Dr. T Arul, CREDAI, Chennai

Er. Damaodaran, CREDAI, Chennai

Ms. H Usha Devi, The Masterbuilder

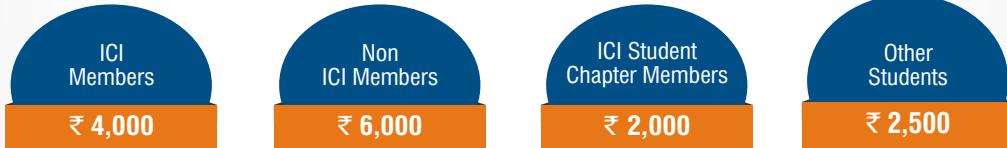
Er. Murugan, UltraTech

Er. Nishanthini, UltraTech

Col. U Ganesh Kumar  
CEO, Padmaja Systems & Services Pvt. Ltd.

M Kamala Kannan  
MD Ultracon Structural Systems

## DELEGATE FEE\*



\*Including GST of 18%

## SPONSORSHIP OPPORTUNITIES



\*Including GST of 18%

**\*Fee is inclusive of Conference Kit, Refreshments, Lunch, Conference Dinner on 12.7.2018 and GST**

## MODE OF PAYMENT

Registration form along with the workshop fee by demand draft / local cheque / multicity cheque drawn in favour of "Indian Concrete Institute Tamilnadu Centre" payable at Chennai.

## FOR NET BANKING

Indian Concrete Institute Tamilnadu Centre, Bank Name: CANARA BANK | Branch: CS Branch, Kotturpuram, Chennai - 600085. Account No: 1550101009176 | IFSC: CNRB0001550

## Address for Communication

### INDIAN CONCRETE INSTITUTE

No.201, First Floor "Ten Square Mall", No.64, Jawaharlal Nehru Road, Koyambedu, Chennai - 600 107.

Phone: +91-44-24792602 | Fax: +91-44-24795148 | E-mail: iciconferences@gmail.com

Two Days Conference on  
**EVOLVING TRENDS  
IN TALL BUILDINGS**

Date: 12<sup>th</sup> & 13<sup>th</sup> July, 2018

Venue: Convention Center, L&T Campus, Manapakkam, Chennai

Organised By



Indian Concrete Institute  
Chennai Centre



**L&T Construction**  
Buildings & Factories

**REGISTRATION FORM**

Name:

Designation:

1 \_\_\_\_\_

\_\_\_\_\_

2 \_\_\_\_\_

\_\_\_\_\_

3 \_\_\_\_\_

\_\_\_\_\_

Mailing address, with telephone, fax and e-mail address: \_\_\_\_\_

\_\_\_\_\_

**PAYMENT**

Please find enclosed Cheque / DD No.: \_\_\_\_\_ Dt.: \_\_\_\_\_ in favour of

"Indian Concrete Institute Tamilnadu Centre" Payable at Chennai, Bank: \_\_\_\_\_

\_\_\_\_\_ Branch: \_\_\_\_\_ for a sum of

₹ \_\_\_\_\_ (₹ \_\_\_\_\_

\_\_\_\_\_)

Name of the Organisation: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

**\*Delegate Fee:** (\*Including GST of 18%)

ICI Members	: ₹ 4,000	ICI Student Chapter Members	: ₹ 2,000
Non ICI Members	: ₹ 6,000	Other Students	: ₹ 2,500

Cheque / DD should be favour of 'Indian Concrete Institute Tamilnadu Centre' Payable at Chennai

Indian Concrete Institute, No. 102/11 (New No. 46/11), Tripli Apartments, Marshalls Road,  
Egmore, Chennai - 600 008. Ph: 044-28555248 | Mobile: +91 9841766330  
E-mail: iciconferences@gmail.com

**For Net  
Banking**

Indian Concrete Institute Tamilnadu Centre  
Bank Name: CANARA BANK | Branch: CS Branch, Kotturpuram,  
Chennai - 600085. | Account No: 1550101009176 | IFSC: CNRB0001550

Name, Designation and  
Signature of the Authorised Person

Two Days Conference on  
**EVOLVING TRENDS  
IN TALL BUILDINGS**

Date: 12<sup>th</sup> & 13<sup>th</sup> July, 2018

Venue: Convention Center, L&T Campus, Manapakkam, Chennai

Organised By



Indian Concrete Institute  
Chennai Centre



**L&T Construction**  
Buildings & Factories

**SPONSORSHIP DETAILS**

**PATRON**

**₹ 5,00,000**

5 Free Delegates | Product Presentation

**DIAMOND**

**₹ 3,00,000**

3 Free Delegates | Product Presentation

**PLATINUM**

**₹ 1,50,000**

3 Free Delegates

\*Including GST of 18%

**PLEASE COMPLETE THE FOLLOWING INFORMATION**

Name: \_\_\_\_\_ Designation: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

Indicate sponsorship amount and the category you would like to sponsor

Category: \_\_\_\_\_ Amount: \_\_\_\_\_

Cheque / DD No\*.: \_\_\_\_\_ Dt.: \_\_\_\_\_ for ₹: \_\_\_\_\_

(₹: \_\_\_\_\_)

Cheque / DD should be favour of 'Indian Concrete Institute Tamilnadu Centre' Payable at Chennai

Indian Concrete Institute, No. 102/11 (New No. 46/11), Tripti Apartments, Marshalls Road,  
Egmore, Chennai - 600 008. Ph: 044-28555248 | Mobile: +91 9841766330  
E-mail: iciconferences@gmail.com

**For Net  
Banking**

Indian Concrete Institute Tamilnadu Centre  
Bank Name: CANARA BANK | Branch: CS Branch, Kotturpuram,  
Chennai - 600085. | Account No: 1550101009176 | IFSC: CNRB0001550

Name, Designation and  
Signature of the Authorised Person