



# STRUCTURAL ENGINEERING FORUM OF INDIA

IN COLLABORATION WITH

BUREAU OF INDIAN STANDARDS



## SEMINAR ON REVISED IS 16700 -REVISION 1

IS 16700:2023 First Revision has been released by BIS in November 2023!

Join us to understand the revisions, and the underpinning rationale behind the revisions. The seminar will be an opportunity to appreciate how the changes may impact the design of Tall buildings in India.

Hear a distinguished panel of code writers and industry doyens share their insights on the Tall Building Code and revisions.

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### SPEAKERS



ARUN KUMAR  
Director & Head (Civil) BIS



ER. ALPA SHETH  
VMS Consultants Pvt Ltd



PROF. CVR MURTY  
IIT Madras



RANJITH CHANDUNNI  
RECI Engineering

### PANELISTS



PRADEEP KUMAR  
President, IAstructE



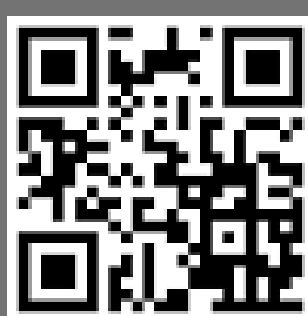
SHANTI LAL JAIN  
President ISSE



ANIL HIRA  
Buro Happold



ABHISHEK PAL  
Secretary, BIS CED 38



SATURDAY DECEMBER 9, 2023, 11 AM IST  
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## SPEAKERS



**ARUN KUMAR**  
Director & Head (Civil) BIS

Shri Arunkumar is basically a Standards Engineer with over 17 years of experience in the field of Standardization in various Civil Engineering areas such as earthquake engineering, structural safety, special structures, construction practices, cement & concrete, various flooring/roofing/walling, other building materials, National Building Code of India; etc. Currently, he is the Head of the Civil Engineering Department of BIS



**PROF. CVR MURTY**  
IIT Madras

C V R Murty is Institute Chair Professor at IIT Madras. He has been associated with major revisions of the Indian Seismic Codes for buildings and bridges, and in development of NDMA guidelines towards earthquake for disaster mitigation. He is the Chairman of the Earthquake Engineering Committee of Bureau of Indian Standards, and steering a comprehensive upgrade of the earthquake design standards of India.



**ER. ALPA SHETH**  
VMS Consultants Pvt Ltd

Ms Alpa Sheth, is Managing Director of VMS Consultants Pvt. Ltd, Mumbai. She is currently Convenor of the Tall Buildings Sub-Committee of CED 38, Bureau of Indian Standards. She has been Seismic Advisor/Consultant to States of Gujarat, Maharashtra, Delhi, Jammu and Kashmir and undertaken post-earthquake reconnaissance survey studies. She is a Founding Trustee of Structural Engineering Forum of India. She has been involved in design of over 200 tall buildings and holds a post-graduate degree in Structural Engineering from University of California, Berkeley.



**RANJITH CHANDUNNI**  
RECI Engineering

Ranjith has over 30 years experience of which 17 years have been in the Middle East as Structural Engineer in design and construction of various building projects. He is specialised in tall buildings having worked on many high rise projects in Dubai and in India over last 10 years. As lead structural designer, he has delivered more than 25 buildings over 40 story high including buildings of complex geometry. He is running his own practice, RecI Engineering in Mumbai, since 2014 providing structural engineering services.

## PANELISTS



**PRADEEP KUMAR**  
President, IAStructE

Pradeep Kumar is a researcher, an exceptional teacher, and a fine human being. His scientific efforts to estimate earthquake risk in various cities across the country, are well acclaimed. He is currently the Director of CBRI at Roorkee. He has been cited 984 times for his work in Earthquake Engineering and Structural Dynamics. He holds his masters in structural engineering from IIT Kanpur and PhD from University of Tokyo.



**ER. ANIL HIRA**  
Buro Happold

Anil's professional expertise is in tall building design, complex structures and architectural engineering with particular interests in wind and seismic engineering and soil structural interaction. He has been involved in well over 150 tall towers over 200m in height, including 80 towers over 200m worldwide including Australia, New Zealand, South East Asia, Middle East and the Sub-Continent including India. He is recognised as a world expert on structural design of tall buildings.



**SHANTI LAL JAIN**  
President ISSE

He has 40+ years experience as structural engineer. Currently he is president of Indian society of structural Engineer. He is member of Expert Review Panel as per IS - 16700 for Mumbai by MCGM ( From April 2021 ). He has been part of several Committees of BIS related to tall buildings and civil engineering. He was a Member High Rise committee - Navi Mumbai Municipal Corporation. He holds masters degree from VJTI.



**ABHISHEK PAL**  
Secretary, BIS CED 38

Working as Scientist 'D' Joint Director in Civil Engineering Department of Bureau of Indian Standards Experience in the field of Standardization in various Civil Engineering areas such as Structural Steel, Special Structures, Structural Safety, Safety in Construction, constructional practices and management, other building materials like wood and lignocellulosic products, furniture etc. He has been associated with Landmark Formulation of IS 16700 : 2017 'Criteria for Structural Safety of Tall Concrete Buildings'

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# Tentative Schedule

9th December 2023, Saturday [IST]

11:00-11:02	Opening Remarks	Er. Alpa Sheth
11:02-11:08	BIS activities in promotion of Safety, Servicability and Innovation through BIS Codes and documents	Shri Arun Kumar
11:08-11:30	Critical Issues in Tall Buildings	Prof CVR Murty
11:30:- 11:50	Overview of IS 16700 with focus on revisions	Er. Ranjith Chandunni
11:50-12:10	Underpinning rationale for the revised empirical formula for Time period and its impact on Design with examples.	Er. Alpa Sheth
12:10- 12:40	Panel Discussion	<b>Panelists:</b> Er. Anil Hira, Prof Pradeep Kumar, Er. Abhishek Pal, Er. Shantilal Jain and Speakers. Panelists other than speakers can make a Presentation or talk for up to 5 mins each. Balance 10 mins for discussions.
12:40-13:00	Q & A	

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