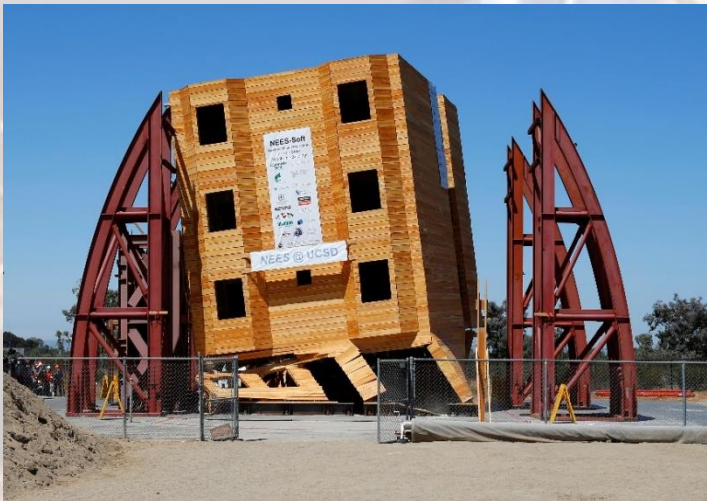


# National Workshop on NBC 2016 & Recently Revised Seismic Codes - Impact on Design, Construction & Safety of Built Structures

## December 8<sup>th</sup> & 9<sup>th</sup> 2017

Sir R.N. Mukherjee Hall  
The Institution of Engineers India (IEI)  
WB State Centre, 8, Gokhale Road, Kolkata 700 020



Jointly Organized by



Indian Association of Structural Engineers  
(IAStructE)



Knowledge Partner



Bureau of Indian Standards  
(BIS)

Media Partner



The Institution of Engineers (India)  
West Bengal State Centre



## About Consulting Engineers Association of India (CEAI)

Consulting Engineers Association of India (CEAI) is an apex body of Consulting Engineers in India and is a Member Association representing Indian Consulting Engineering Community at the International Federation of Consulting Engineers (FIDIC), the global forum of consulting engineers. In 1959, the Association of Consulting Engineers (India) (ACE) a forum for individual practising consulting engineers in India was incorporated under Section 25 of the Companies Act, 1956. In 1976, the National Association of Consulting Engineers (NACE) in India was formed under the Societies Registration Act, 1860. In 1996, ACE and NACE were merged and Consulting Engineers Association of India (CEAI) came into being under The Societies Registration Act, 1860. Thus CEAI has, behind it, over 50 years of accumulated knowledge and experience. With a view to broad base activities of the Association and have greater involvement of members outside Delhi, Regional Centres have been set up at Mumbai, Kolkata and Jaipur. The Aims and Objectives of CEAI is to Promote professional interest and establish rights and privileges of the consulting engineering profession in India; Represent the consulting engineering profession within India and abroad; Connect the members locally and globally; Disseminate among the members information on all matters pertaining to engineering, especially knowledge and information related to consulting engineering profession; Act as the principal champion for consulting engineering profession through constantly informing and educating the public and lawmakers about key engineering issues and making it possible to have the voice of the profession heard by the policy makers; Promote adoption of equitable forms of contracts and other documents used in consulting engineering practice; Encourage settlement of disputes by conciliation, mediation or arbitration. For more details about CEAI, please visit [www.ceai.org.in](http://www.ceai.org.in)

## About Indian Association of Structural Engineers (IAStructE)

Indian Association of Structural Engineers (IAStructE) is the national apex body of structural engineers in India established with the objective to cater to the overall professional needs of structural engineers. The association has become the source of expertise and information concerning all issues that involve structural engineering and public safety within the built environment. It has no commercial aim or objective. IAStructE is purely a professional learned society with the prime objective of supporting and protecting the profession of structural engineering by upholding professional standards and acting as a mouthpiece for structural engineers. IAStructE endeavors to ensure that it's members develop the necessary skill in structural engineering and work to the highest standards by maintaining a commitment to professional ethics and standards within structural engineering. IAStructE strives for continued technical excellence; advancing safety and innovation across the built environment. It also strives to make available to the Government, Public Sector and Private Sector - a credible source of well qualified and experienced Structural Engineers. A nationwide database of Structural Engineers has been compiled and is being constantly updated. IAStructE undertakes a broad range of technical activities which are aimed at information sharing and capacity building. IAStructE is currently operating from four regional / state centres. These regional centres located in the Eastern, Western, Northern and Southern parts of the country effectively cater to the professional needs of members residing/practicing all over the country. For more details about IAStructE, please visit [www.iastructe.co.in](http://www.iastructe.co.in)

## About Bureau of Indian Standards (BIS)

BIS is the National Standard Body of India established under the BIS Act 1986 for the harmonious development of the activities of standardization, marking and quality certification of goods and for matters connected therewith or incidental thereto. BIS has been providing traceability and tangibility benefits to the national economy in a number of ways - providing safe reliable quality goods; minimizing health hazards to consumers; promoting exports and imports substitute; control over proliferation of varieties etc. through standardization, certification and testing. Keeping in view, the interest of consumers as well as the industry, BIS is involved in various activities as given below:

- Standards Formulation
- Sale of Indian Standards
- Foreign Manufacturers Certification Scheme
- Training Services (National & International)
- Laboratory Recognition Scheme
- Compulsory Registration Scheme
- Promotional Activities
- Laboratory Services
- Product Certification Scheme
- Consumer Affairs Activities
- Hall Marking Scheme
- Information Services

The Standards Formulation activity is carried out through 14 Division Councils and over 650 Technical Committees functioning thereunder that have so far developed over 19000 Indian Standards. BIS has its Headquarters at New Delhi and its 05 Regional Offices (ROs) are at Kolkata (Eastern), Chennai (Southern), Mumbai (Western), Chandigarh (Northern) and Delhi (Central). Under the Regional Offices are the Branch Offices (BOs) located at Ahmedabad, Bangalore, Bhubaneswar, Bhopal, Coimbatore, Dehradun, Faridabad, Ghaziabad, Guwahati, Hyderabad, Jaipur, Kochi, Lucknow, Nagpur, Parwanoo, Patna, Pune, Rajkot, Raipur, Durgapur, Jamshedpur and Vishakhapatnam, which offer certification services to the industry and serve as effective link between State Governments, industries, technical institutions, consumer organization etc. of the respective region.

## About the Workshop

There has been an increased awakening among professionals, owners, builders, planners and the society at large about the importance of earthquake safety of structures. At the same time, there has also been constant research & studies in the field of earthquake science and seismic engineering, necessitating updating of codes and standards from time to time.

IS 1893 (Part 1) has been recently revised, bringing into state of practice, the progress made in research, scientific and technological development globally. Similarly the IS code on ductile detailing of Reinforced Concrete Structures subjected to seismic forces, namely IS 13920 has been revised recently. IS 4326 was revised in 2013 and the National Building Code of India in 2016.

There is an often-repeated saying, “Earthquakes don’t kill people, buildings do.” Though as a structural engineer, one can’t control the seismic hazard in the community where one lives or work, but can certainly influence the most important factor in saving lives and reducing losses from an earthquake by the adoption and enforcement of up-to-date building codes.

Adopting the latest building codes is only part of the solution. Codes must also be effectively enforced to ensure that buildings and their occupants benefit from advances in seismic provisions in the latest codes. Revision of codes also brings into focus the question of safety of old buildings. It’s possible to make these buildings more resistant to earthquakes through seismic retrofitting.

CEAI, IAStructE and BIS aim to bring together civil & structural consultants, architects, academicians, builders and developers, urban planners, policy makers and associated government agencies to discuss the impact of the newly released revised codes structural design of buildings. The exclusive two-day workshop will witness presentations by some of the stalwarts in the industry and the code makers themselves. This workshop will give ample opportunity to all delegates to interact directly with the experts in the domain and gain knowledge through interaction and social networking events.

## Who Should Attend

- Civil & Structural Engineers
- Government Departments, PSUs
- Architects
- Financiers and Funding Agencies
- Consultants and Designers
- Equipment System Suppliers
- Applicators
- Contractors, Builders & Developers
- Urban Planners
- Civil Society
- Manufacturers of Materials & Chemicals
- Project Management Consultants
- Academicians/Researchers & Students

## Registration Fee

(Delegate fee includes registration, kit, workshop literature, lunch and tea)

CEAI / IAStructE / IEI Members	Rs. 3000/-
Others	Rs. 4000/-
Students of Engineering Colleges & Institutions	Rs. 1500/-
Three or more delegates from same organisation can avail 10% discount on registration fee	

Plus GST @ 18%

## Mode of Payment

- Cheque/ DD drawn in favour of “Consulting Engineers Association of India – Kolkata Regional Centre”
- Bank Transfer (See Registration Form)



## Sponsorship Opportunities

Entitlement	Level					
	Platinum (5 Lacs)	Gold (3 Lacs)	Silver (2 Lacs)	Supporter (1 Lacs)	Kit Sponsor (1 Lac)	Lunch Sponsor (1 Lac)
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Plus GST @ 18%

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Mr. Amitabha Mukherjee, GBPL	Mr. Somnath Ghosh, CEAI

## PROGRAMME

FRIDAY, 08 DECEMBER 2017		
DELEGATES REGISTRATION (08:30 Hrs to 09:30 Hrs)		
INAUGURAL SESSION (09:30 Hrs to 10:45 Hrs)		
Chief Guest - (To be decided)		
Keynote Address - <b>Dr. D. K. Paul</b> , <i>Chairman, BIS Committee on Earthquake Engineering</i>		
HIGH TEA: 10:45 Hrs to 11:15 Hrs		
Technical Session 1 - 11:15 Hrs to 13:15 Hrs	<b>NBC 2016: Structural Safety Mechanism</b> <b>Mr. Sanjay Pant</b> , <i>Director &amp; Head (Civil Engg), BIS (45 mins)</i>	
	<b>Overview of Current Seismic Building Codes :</b> <b>Prof. C. V. R. Murty</b> , <i>Director, IIT Jodhpur (60 mins)</i> Q/A (15 mins)	
LUNCH BREAK : 13:15 Hrs to 14:00 Hrs		
Technical Session 2 – 14:00 hrs to 15.45 hrs	<b>Impact of IS 1893 (Part 1):2016 on Modelling &amp; Analysis</b> <b>Ms. Alpa Sheth</b> , <i>MD VMS Consulting Engineers, Mumbai (50 mins)</i> <b>Prof. Indrajit Chowdhury</b> (25 mins) Q/A (30 mins)	
TEA BREAK : 15:45 Hrs to 16: 00 Hrs		
Technical Session 3 – 16:00 Hrs to 17:45 Hrs	<b>Impact of IS 1893 (Part 1):2016 &amp; IS 13920:2016 on Design &amp; Detailing</b> <b>Prof. Rupen Goswami</b> , <i>Asst Prof, IIT Madras (50 mins)</i> <b>Sumantra Sengupta</b> , <i>STUP Consultants Pvt. Ltd. (25 mins)</i> Q/A (30 mins)	
SATURDAY, 09 DECEMBER 2017		
Technical Session 4 - 09:30 Hrs to 11:00 Hrs	<b>Impact of IS 1893 (Part 1):2016 on Geotechnical aspects</b> <b>Prof. Debasis Roy</b> , <i>Professor, IIT-KGP (30 mins)</i> <b>Dr. Nitin Som</b> , <i>Consultant (30 mins)</i> Q/A (30 mins)	
TEA BREAK : 11:00 Hrs to 11:15 Hrs		
Technical Session 5 – 11:15 Hrs to 13:45 Hrs	<b>Impact of IS 1893 (Part 1):2016 &amp; IS 13920 on Retrofitting of Buildings</b> <b>Prof. Yogendra Singh</b> , <i>Prof, IIT Roorkee (40 mins)</i> <b>Prof. Anjan Dutta</b> , <i>IIT, Guwahati (40 mins)</i> <b>From Industry-1</b> (to be decided) (20 mins) <b>From Industry-2</b> (to be decided) (20 mins) Q/A (30 mins)	
LUNCH BREAK : 13:45 Hrs to 14:30 Hrs		
Technical Session 6 – 14:30 Hrs to 15.30 Hrs	<b>Impact of New Seismic Codes on Commonly used Tools &amp; Technologies</b> <b>Software Vendor -1</b> (to be decided) (20 mins) <b>Software Vendor -2</b> (to be decided) (20 mins) Q/A (30 mins)	
<b>TECHNICAL DISCUSSION &amp; CLOSURE</b> 15:30 Hrs to 16:30 Hrs		
<b>Dr. D. K. Paul</b> <b>Mr. S. C. Mehrotra</b> <b>Prof. Yogendra Singh</b> <b>Mr. S. Arun Kumar</b>	<b>Prof. C. V. R. Murty</b> <b>Prof. Mahesh Tandon</b> <b>Prof. Debasis Roy</b>	<b>Mr. Sanjay Pant</b> <b>Ms. Alpa Sheth</b> <b>Prof. Rupen Goswami</b>
Moderator: <b>Mr. Manoj Mittal</b>		Rapporteur: <b>Mr. _____</b>
HIGH TEA : 16:30 Hrs		

For More information please contact:

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