



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

11th-12th JANUARY, 2019



IIT GUWAHATI CONFERENCE HALL

JOINTLY ORGANISED BY



**CONSULTING ENGINEERS
ASSOCIATION OF INDIA**

Creating Values for Engineers



मानक: पथप्रदर्शक:
Bureau of Indian Standards

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 India 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

About Indian Institute of Technology, Guwahati



Indian Institute of Technology Guwahati, the sixth member of the IIT fraternity, was established in 1994. The academic programme of IIT Guwahati commenced in 1995. At present the Institute has eleven departments and five inter-disciplinary academic centres covering all the major engineering, science and humanities disciplines, offering BTech, BDes, Ma, MDes, MTech, MSc and PhD Programmes. Within a short period of time, IIT Guwahati has been able to build up world class infrastructure for carrying out advanced research and has been equipped with state-of-the-art scientific and engineering instruments. Indian Institute of Technology Guwahati's campus is on a sprawling 285 hectares plot of land on the north bank of the river Brahmaputra around 20 kms. from the heart of the city. With the majestic Brahmaputra on one side, and with hills and vast open spaces on others, the campus provides an ideal setting for learning.

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 | • Laboratory Recognition Scheme | • Product Certification Scheme |
| • Sale of Indian Standards | • Compulsory Registration Scheme | • Consumer Affairs Activities |
| • Foreign Manufacturers Certification Scheme | • Promotional Activities | • Hall Marking Scheme |
| • Training Service (National & International) | • Laboratory Services | • 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 5 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 benefited 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, IIT-G 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 / IEI Members / IIT Faculties	Rs.3500/-
Others	Rs.4500/-
Students of Engineering Colleges & Institutions	Rs.2000/-
Three or more delegates from same organisation can avail 10% discount on registration fee	

Plus 18% GST extra

Mode of Payment

Payments : All payments should be made in favour of "Consulting Engineers Association of India" payable at New Delhi or sent via Bank Transfer as per details given below :

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Advisory Committee

Dr. R. K. Bajaj, Scientist 'G', (Dy Director General Standardization) BIS	Mr. Sisir Kumar Banerjee, Past President, IEI
Ms. Sayona Philip, President, CEAI	Mr. Sudhir Dhawan, Past President, CEAI
Dr. Samarjit Chatterjee, Past President, CEAI	

Organising & Scientific Committee

Mr. Amitabha Ghoshal, Chairman, CEAI, EZ	Dr. Anjan Dutta, IIT, Guwahati
Mr. Amit Kumar Chakraborty, JVP, STUP	Mr. Sutanu Ghosh, MD, GBPL
Dr. Kaustabh Dasgupta, IIT, Guwahati	Dr. S. K. Deb, IIT, Guwahati
Dr. Hemant B Kaushik, IIT, Guwahati	Mr. S Arun Kumar, Scientist 'D' (Civil Engg) BIS
Mr. Sumantra Sengupta, Chief Manager, STUP	Prof. Subrata Chakraborty, IEST



2 day National Workshop
on

National Building Code of India 2016 & Revised Seismic Codes

(Friday & Saturday, 11 & 12 January 2019)

Venue : IIT Guwahati

TENTATIVE PROGRAMME

Friday, 11 January 2019	
0900h - 1000h	Registration
1000h - 1100h	Inaugural Session
1100h - 1130h	High Tea
1130h - 1300h	Session - I, Overview of NBC 2016 including Administration, Development Control Rules & General Building Requirements Speaker : Shri Sanjay Pant , Director & Head (Civil Engg), BIS
1300h - 1345h	Lunch
1345h - 1445h	Session - II, Fire and Life Safety Speaker : Shri S. K. Dheri (Convener, Panel for Fire Protection of NBC 2016)
1445h - 1545h	Session - III, Building Services - Electrical Installations Speaker : Smt Shruti Goel (Member, Panel for Electrical Installations of NBC 2016)
1545h - 1600h	Tea
1600h - 1700h	Session IV, Hill Area Development : Land slide assessment and control Speaker : Dr. R. Anbalagan (Chairman, Hill Area Development Engineering Committee of BIS)
Saturday, 12 January 2019	
1000h - 1100h	Session V, Structural Design Speaker : Shri Sumantra Sengupta (Structural Consultant STUP)
1100h - 1115h	Tea
1115h - 1215h	Session VI, Overview of Current Seismic Building Codes Speaker : Prof. C. V. R. Murty , Director, IIT Jodhpur
1215h - 1330h	Session VII, Analysis & Modelling - Impact of Revised IS 1893 (Part 1) : 2016 Speaker : Prof Anjan Dutta & Prof Kaustabh Dasgupta (IIT Guwahati)
1330h - 1415h	Lunch
1415h - 1515h	Session VIII, Structural Design : Soils and Foundation & Underground Construction Speakers : Prof N. Som (Convener, Panel for Soils and Foundation of NBC 2016)
1515h - 1615h	Session IX, Design & Detailing Issues of IS 1893 (Part 1) : 2016 & IS 13920 : 2016 Speaker : Prof Rupen Goswami (Member, Earthquake Engineering Committee of BIS)
1615h - 1730h	Session X, Retrofitting Aspects Speaker : Prof Hemant B. Kaushik & Prof S. K. Deb (IIT Guwahati)
1730h - 1800h	Concluding Session & High Tea

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

January 11 & 12, 2019 | IIT Guwahati Conference Hall

To
Er. Amitabha Ghoshal
Chairman
Seminar Organising Committee

Sir,

We would like to participate in the National Workshop on NBC 2016 and Recently Revised Seismic Codes – Impact on Design, Construction & Safety of Built Structures, as Sponsor/Co-sponsor/Advertiser.

Please find enclosed a DD/Cheque no..... in favour of "**Consulting Engineers Association of India**" dated.....drawn onfor Rs.....payable at Delhi.

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Yours faithfully,

Signature with Seal

Kindly complete the Registration Form and filled up Form with enclosures (if any) alongwith the cheque/draft is to be sent to :

Consulting Engineers Association of India
CEAI Centre, OCF Plot No.2, Pocket 9
Sector B, Vasant Kunj,
New Delhi 110070

Prof. Anjan Dutta
Indian Institute of Technology,
Department of Civil Engineering,
Guwahati, Assam 781039

REGISTRATION FORM

Regn No.....

Receipt No.....

2-day National Workshop on

NBC 2016 & Recently Received Seismic Codes: Impact on Design, Construction & Safety of Built Structures January 11 & 12, 2019 at IIT Guwahati Conference Hall

Name: Prof./Dr./Mr./Mrs/Ms.....(name).....(Title)

Designation/Title:.....

Organisation/Institution:.....

Address (a) Postal.....

(b) Email.....

Telephone: Office.....

Resi.....Mob.....

CEAI/BIS Membership No.....

Name, address with telephone number of Sponsoring Authority with Signature

SI No.	Name	Designation	Signature & Seal

Food Status: Vegetarian/Non-Vegetarian (Please tick)

Registration fee:

IIT Faculties / Members of CEAI/ IE(I) (Membership No. _____)	Rs.3,500/-	Plus GST @ 18%
Others	Rs.4,500/-	Plus GST @ 18%
Students of Engineering Colleges& Institutions	Rs.2,000/-	Plus GST @ 18%
3 or more delegates from same organization can avail 10% discount on registration fee		

Details of Cheque/Bank Draft/RTGS

Amount..... Cheque/Draft/RTGS.....

in favour of 'Consulting Engineers Association of India' payable at New Delhi

.....
Signature, date and seal.....
Signature of the Delegate**For Director Transfer to Bank:****Payments:** All payments should be made in favour of 'Consulting Engineers Association of India' payable at New Delhi or sent via Bank

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New Delhi - 110070

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