

# Impact of Revised Provisions of IS1893 (1): 2016 on Earthquake Resistant Design of Buildings

07 July 2018, IIIT Hyderabad  
10:00 AM to 06:00 PM

## Overview

India has experienced several earthquakes in the past few decades, namely the 1988 Bihar-Nepal, 1991 Uttarkashi, 1993 Killari, 1997 Jabalpur, 1999 Chamoli, 2001 Bhuj, 2005 Kashmir, 2011 Doda, 2011 Sikkim, 2013 Kashmir, and the 2015 Nepal earthquake. Strong intensities of earthquake shaking experienced by buildings during these earthquakes resulted in numerous failures and collapses. Seismic design codes worldwide are constantly revised based on the experiences from past earthquakes, and efforts towards improving the seismic safety of built environment are ongoing among all stake holders involved in the design and construction of buildings.

## Objective of the Workshop

IS 1893 (1), the seismic code of India has been revised in 2016, adopting state-of-practice and research & technological findings in the field of earthquake engineering and earthquake resistant design. Structural engineering community is largely responsible to adopt and enforce safe design practices, as stipulated in the design codes. While the design codes are only a consensus document, design practitioners are expected to work towards arriving at safe design of buildings that are capable of withstanding strong earthquake shaking, without loss of life and significant loss of property.

The one day workshop aims to bring together professionals from civil & structural design practice, architects, builders & developers, policy makers from government agencies, and academics, to discuss the impact of the revised seismic code of India on seismic design and safety of construction, and brainstorm methods to improve seismic safety of buildings.

## Workshop

The workshop will have presentations and discussions conducted by:

- Rupen Goswami, IIT Madras
- R. Pradeep Kumar, IIIT Hyderabad
- Sunitha Palissery, IIIT Hyderabad

## Who Should Attend ?

- Practising Engineers
- Design Consultants
- Architects
- Builders, Developers and Contractors
- Design professionals from government agencies
- Academics and Researchers
- Civil and Structural Engineering students

## Registration

Interested participants can fill in the registration form, and send by post along with DD/Cheque for Rs. 1500/- drawn in favour of "IIIT Hyderabad", payable at Hyderabad. Students can avail 50% concession on registration fee; copy of the institute identity card may be attached for the purpose. The registration fee is for one person with working lunch, and tea. Participants are requested to complete the registration formalities by 30 June, 2018.

## About IIIT Hyderabad

International Institute of Information Technology, Hyderabad (IIIT-H) was set up as a research university focused on the core areas of Information Technology, such as Computer Science, Electronics and Communications, and their applications in other domains. Institute has undergraduate and postgraduate engineering programs and evolved strong research programs in a host of areas, with computation or IT providing the connecting thread, and with an emphasis on the development of technology and applications, which can be transferred for use to industry and society.

For more details, visit: <https://www.iiit.ac.in/>

## About EERC, IIIT Hyderabad

Earthquake Engineering Research Centre (EERC) at IIIT Hyderabad, is set up with a vision to become a National Centre for research in Earthquake Engineering, to help address challenging problems in design of new structures and retrofit of existing structures. The major areas of research are: Seismo-tectonic Modelling of Indian Plate, Fault Motion Analysis & Wave Propagation studies, Site Amplification & Microzonation studies, Understanding Nonlinear Seismic Behaviour of Structures, Seismic Assessment of Buildings and Heritage Structures, and Post Earthquake studies. In addition, EERC has been working towards creating earthquake awareness & earthquake preparedness by organising seminars in schools and communities, and capacity building of technical personnel in government and private organizations by conducting workshops and short-term courses.

For more details, visit: <http://eerc.iiit.ac.in>

## Contact Address

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