

For more information, please contact:

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## National Information Center of Earthquake Engineering @ IIT Kanpur (NICEE) [www.nicee.org](http://www.nicee.org)

India has a very serious earthquake problem with about 60% of its area prone to damaging earthquake shaking. To mitigate earthquake disasters, the profession needs to be up-to-date on developments in the field. The National Information Center of Earthquake Engineering (NICEE) at Indian Institute of Technology Kanpur maintains and disseminates information resources on Earthquake Engineering. It undertakes community outreach activities aimed at mitigation of earthquake disasters. NICEE's target audience includes professionals, academics and all others with an interest in and concern for seismic safety. NICEE receives no operating budget from any government or private source; instead its entire operations are managed by interest income of an endowment and the donations from its well wishers, sales of its publications and sponsorships.

## Building Materials & Technology Promotion Council, New Delhi (BMTPC) [www.bmtpc.org](http://www.bmtpc.org)

Since its establishment, BMTPC working under the aegis of Ministry of Housing and Urban Poverty Alleviation, GOI has been rendering its service to promote development, production, standardisation and large scale application of cost effective, innovative building materials and construction technologies in housing and building sector, encourage and provide support to professionals, entrepreneurs to set up production units in urban and rural regions, develop technologies for natural disaster mitigation, vulnerability and risk reduction and disaster resistant planning of human settlements.

## Central Board of Irrigation and Power, New Delhi (CBIP) [www.cbip.org](http://www.cbip.org)

CBIP, since its inception has rendered dedicated service to the Engineering Community World in promoting Research & Development in Water Resources. Energy & Allied Disciplines. It has a track record of dissemination of technical information to engineering community on technical developments in India and abroad through its technological information dissemination programme of conferences, symposia, seminars, workshops, Research & Development Sessions etc. and its technical publications which are well received in India & abroad.

## National Seminar on Seismic Safety of Concrete Gravity Dams

27 February 2009 at New Delhi



Being organized by

**National Information Center of Earthquake Engineering @ IIT Kanpur**

and

**Building Materials & Technology Promotion Council, New Delhi**

In collaboration with

**Central Board of Irrigation and Power,  
New Delhi**

# National Seminar on Seismic Safety of Concrete Gravity Dams

27 February 2009 at New Delhi

## Background

India is witnessing an upsurge in the hydel power projects and consequently in the construction of new concrete gravity dams. The seismic safety of such dams has been a serious concern since damage to the Koyna Dam, India in 1967 which has been regarded as a watershed event in the development of seismic analysis and design of concrete gravity dams all over the world. It is essential that concerned professionals must implement policies and procedures to ensure seismic safety of dams by adopting sound state-of-the-art practice in the related technical areas. Seismic safety of dams concerns public safety and therefore demands a higher degree of public confidence.

## About the Seminar

The seminar will focus on issues and best practices towards seismic safety of concrete gravity dams, with special reference to state-of-the-practice in India and the United States. The seminar will enable the concerned professionals to appreciate various aspects of the concrete gravity design and construction which relate to its seismic safety. It will provide an excellent opportunity to share the information and ideas on the topic.

## Themes

- Geological & seismological considerations in specifying seismic design parameters for an acceptable risk.
- Design methodology and criteria for acceptable design.
- Modern analysis methods and risk-based approach using failure mode analysis.
- Issues of policy making and implementation.

## Resource Persons

Leading experts from USA and India will deliver the lectures and lead the discussions:

### USA

- Prof Anil K. Chopra, University of California, Berkeley
- Mr. Larry K Nuss, US Bureau of Reclamation, Denver

### India

- Sri M. Gopalakrishnan, Chairman, INCOLD Committee on Seismic Aspects of Dams Design, New Delhi
- Prof. D. K. Paul, IIT Roorkee
- Dr. I. D. Gupta, CWPRS Pune
- Prof. Durgesh C. Rai, IIT Kanpur
- Prof. Sudhir K. Jain, IIT Kanpur

## Who should attend?

Managers, administrators, regulators, policymakers, engineers, geologists, seismologists, and all other professionals who are responsible for design, construction and safety of concrete gravity dams.

## Venue and Time

Gulmohar Hall, India Habitat Centre, New Delhi  
9:00 AM to 5:30 PM on 27 February 2008 (Friday)

## Registration fees

The fee is Rs. 3,200/- (Rupees Thirty Two Hundred Only) per participant. A discount of 50% is available for the full-time faculty and students. The fee includes resource materials, lunch, and tea breaks. The fee is payable in advance by a crossed draft in favour of "Seminar on Gravity Dams, IIT Kanpur", or by a credit card.

Interested persons should send the Registration Form to:

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# National Seminar on Seismic Safety of Concrete Gravity Dams

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## REGISTRATION FORM

### Personal Information:

Name : .....  
Designation : .....  
Organisation : .....  
Mailing Address : .....  
.....  
Phone: (Office) : .....  
Phone: (Home) : .....  
Fax : .....  
Email : .....

### Qualification and Background:

#### Registration Fee:

- a) Enclosed is a crossed draft no. ....  
dated ..... for Rs..... payable to  
**Seminar on Gravity Dams, I.I.T. Kanpur.**  
or  
b) I have made the payment using my credit card at  
the website of the seminar.  
or  
c) Please bill my credit card:  Master Card  Visa  
Card No: ..... Expiry Date: .....  
Name on Card: .....  
or  
d) I shall send the registration fee by.....  
(Please indicate date).

Signature of Participant