



Department of Civil Engineering  
Indian Institute of Technology Kanpur  
announces under the National Programme on Earthquake Engineering Education (NPEEE)

## Short Course on SEISMIC DESIGN OF MASONRY BUILDINGS

3 – 7 October 2005 at IIT Kanpur

### Objective

To provide basic knowledge of seismic behaviour and design of masonry buildings

### Salient Features

- Meant for teachers of engineering colleges and limited number of professional engineers
- On successful completion, a certificate will be issued by the Department of Civil Engineering, IIT Kanpur

### Contents

- *Basics of engineering seismology*
- *Behaviour of masonry buildings during past earthquakes*
- *Seismic design concepts*
- *Lateral load transfer in masonry buildings*
- *Design of masonry buildings using unreinforced and reinforced masonry*
- *IS:1905 for structural design of unreinforced masonry*
- *IITK-GSDMA Guidelines on Seismic Design of Reinforced Masonry Structures*

### Accommodation

- *Boarding and Lodging:* Boarding and lodging will be available in the Guest House on payment basis subject to availability.

### Course Faculty

Professors Durgesh C. Rai, C. V. R. Murty and Sudhir K. Jain

### Eligibility

- B.E./B.Tech. degree in Civil Engineering or equivalent or higher

### Course Fee

- *Engineering college teachers:* The National Programme on Earthquake Engineering Education (NPEEE), an MHRD (GoI) initiative, will cover the fee for full-time teachers of recognized colleges of engineering and architecture. NPEEE will also cover their travel (by up to 2<sup>nd</sup> AC Class on train) and boarding/lodging. Colleges are to treat the applicant to be on duty during the period of the course.
- *Professionals Engineers:* The fee for professional engineers is Rs.7,500 per candidate and must be paid in full in advance through a demand draft in name of "Course on Seismic Design of Masonry Buildings, IIT Kanpur" payable at Kanpur.

### Interested candidates may apply on prescribed application form to:

Dr. K. K. Bajpai, Senior Scientific Officer,  
Department of Civil Engineering  
Indian Institute of Technology Kanpur  
Kanpur 208016

Email: [kunwar@iitk.ac.in](mailto:kunwar@iitk.ac.in)

Tel: (0512) 259 7859

Fax: (0512) 259 7794



Short Course on  
**SEISMIC DESIGN OF MASONRY BUILDINGS**  
3 – 7 October 2005 at IIT Kanpur

**Application Form for Teachers**

1. Name: Mr. /Ms.
2. Designation:
3. Name of College/Institution:
4. Address of Applicant:
5. Phone (Office):                      Phone (Home):
6. Email:                                      Fax:
7. Qualifications:

<i>Degree</i>	<i>University</i>	<i>Year</i>	<i>Specialisation</i>	<i>Marks</i>
Bachelors				
Masters				
Doctoral				

8. Theses titles (if applicable)  
M.E./M.Tech.:  
Ph.D.:
9. Courses taught in the past five years

10. Short courses attended in the past five years

<i>Title</i>	<i>College/Institute</i>	<i>Venue</i>

11. Conferences attended in the past five years

<i>Title</i>	<i>Organiser</i>	<i>Venue</i>

12. Earthquake Engineering Related Activities Pursued by the Applicant in Past 5 Years:  
(in maximum 300 words; add additional sheet if required)

13. Other activities that show applicant's interest in Earthquake Engineering

*Signature of Applicant*

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**Recommendation of the Head of the College/Institute**

I hereby certify that the College/Institute nominates the applicant for the Short Course on *Seismic Design of Masonry Buildings* being conducted by the Indian Institute of Technology Kanpur under the NPEEE during 3 -7 October 2005. If selected, the applicant will be treated on duty for the said period.

Date and College/Institute Seal

*Signature of Head of College/Institute*  
Name and Designation

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