



# National Information Centre of Earthquake Engineering

Indian Institute of Technology Kanpur

# Annual April 2013 - March 2014 Report

## New Outreach Activity

A workshop on Seismic Safety Agenda in North-Eastern Region of India was conducted at IIT Guwahati on March 22, 2014. The workshop was attended by 29 participants representing JEC Jorhat, NIT Meghalaya, AEC Guwahati, AEI Guwahati, IIST Shibpur, NHPC Guwahati, ASDMA Guwahati, GMDA Guwahati, Professional Engineers and Architects in addition to IIT Guwahati and IIT Kanpur. Several issues related to seismic risk in North-Eastern region of India were discussed in the day long workshop. Though the awareness about the seismic hazard is high in the region, innovative strategies are required to reduce the growing seismic risk due to existing vulnerable structures and further increase in their inventory. The agenda for addressing the seismic risk mitigation issues in the region was drawn up. This workshop was partially supported by Poonam & Prabhu Goel Foundation at IIT Kanpur.



## From the Coordinator

Necessity was long felt to address the issues of Seismic Safety in the North-Eastern Region of India, which is primarily in zone V. The recent meeting at IIT Guwahati provided us the opportunity to get a first-hand input on the problems specific to the region. Action agenda for the same is now being designed. The Hindi version of *Earthquake Tips* and *Confined Masonry* was well received among the Hindi speaking people of the country. I am confident that the other translation projects will progress at greater pace during the current year and we will have these publications in Marathi, Bengali, Oriya, Gujarati and Punjabi. NICEE continued to receive good support from its well-wishers during the year. Your support is important to us and we look forward to your continuous support and guidance in the forthcoming years. Support from 77 members during the year and 494 unique members till date is a great endorsement of our activities. We welcome your suggestions and feedback at [nicee@iitk.ac.in](mailto:nicee@iitk.ac.in).

## 15<sup>th</sup> WCEE Papers Uploaded on NICEE website

15th World conference on Earthquake Engineering was held at Lisbon, Portugal during September 24 – 28, 2012. The 3348 papers presented during the conference have been uploaded on the website of NICEE and can be viewed at [http://www.iitk.ac.in/nicee/wcee/fifteenth\\_conf\\_purtgal/](http://www.iitk.ac.in/nicee/wcee/fifteenth_conf_purtgal/)

Your suggestions for improvement in the search attributes for papers is solicited.

## PG Literature Review Workshop

This Annual Workshop was conducted at IIT Kanpur during June 17 – 26, 2013. Forty eight Postgraduate students from 20 colleges across India participated in this. The participants were encouraged to make use of available literature at NICEE library and the Kelkar Library of IIT Kanpur for doing quality research work. They were also provided access to internet for downloading the published research literature. The participants had interaction with Prof. Sudhir K. Jain, Director, IIT Gandhinagar and Dr. KK Bajpai of IIT Kanpur.

The sponsors of the workshop were Council of Scientific and Industrial Research, New Delhi; Computers & Structures Inc. (CSI) and Poonam and Prabhu Goel Foundation at IIT Kanpur.

For more information please visit:

[http://www.nicee.org/MTech\\_Workshop](http://www.nicee.org/MTech_Workshop)

## Institutional Members

NICEE thanks its Institutional members and acknowledges their continued support to NICEE.

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## Inter School Quiz on Earthquake Tips

NICEE conducted an Inter School Quiz competition on *IITK- BMTPC Earthquake Tips*, the final round of which was held on 26 January 2014 at Outreach Auditorium, Indian Institute of Technology Kanpur, Kanpur.

88 schools from 40 cities participated in the preliminary rounds which were held in Ahmedabad, Chandigarh, Delhi, Jabalpur, Kanpur, Ludhiana, Nagpur and Pune. The winners of preliminary rounds were: Air Force School, Chakeri, Kanpur; DRV DAV Centenary School, Phillaur; Nehru World School, Ghaziabad; The Shri Ram School, Mousari, Gurgaon; Mukund Lal Public School, Yamuna Nagar; Christ Church Girls' Senior Secondary School, Jabalpur; Centre Point School, Wardhman Nagar, Nagpur; Parvati Radhakishen Fomra School, Mathura; Ryan International School, Surat and City Pride School, Pune. These schools participated in the finals held on 26 January 2014 at IIT Kanpur.



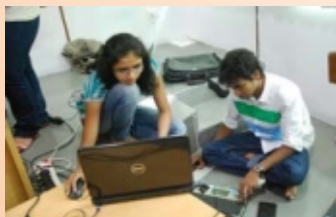
Winners of Final Quiz - Parvati Radhakishen Fomra School represented by Raghav, Jyotirmoy, Shivang and Saurabh.

The quiz had four rounds: Round Robin, Picture Round, Rapid Fire Round and Lucky Number Round. The questions were mostly from the publication *IITK-BMTPC Earthquake Tips* by Prof. CVR Murty and some questions were based on the past earthquakes in India and in other countries. The winning team of the finals with 139 points was Parvati Radhakishen Fomra School, Mathura represented by Mr. Raghav Garg, Mr. Jyotirmoy Pathak, Mr. Shivang R. Dwivedi and Mr. Saurabh Kumar. The teams from Ryan International School, Surat and City Pride School, Pune secured the second position scoring 131 points while the team from DRV DAV Centenary School, Phillaur scored 130 points to bag the third position. The quiz was supported by BMTPC, New Delhi, Computers & Structures Inc. (CSI) and Poonam and Prabhu Goel Foundation at IIT Kanpur. The preliminary round of the quiz at Faridabad and Gurgaon was conducted by Prof. Bhuvan Kumar of HIPA Gurgaon, whilst at Nagpur was conducted by

Prof. OR Jaiswal of VNIT Nagpur, at Ludhiana by Prof. HS Rai of GNDEC Ludhiana, at Chandigarh by Prof. Geeta Arora of PEC Chandigarh, at Jabalpur by Prof. Rajiv Khatri of GEC Jabalpur, at Ahmedabad by Prof. Ajanta Sachan of IIT Gandhinagar and at Pune by Mr. Narayan Y. Kochak of N. Y. Kochak Consulting Engineers & Structural Designers, Pune. Prof. Amit Bose of DDF Consultants, Delhi was instrumental in helping us locate the volunteers for conducting the quiz in several cities. NICEE takes pride in the efforts put in by them and their support teams, and acknowledges with gratitude their unstinted support to NICEE activities. The school quiz has now become an important annual event of NICEE. It will be our endeavour to include more and more cities from the neighboring areas during forthcoming years. For further details and procedure for participating in the quiz please visit <http://www.nicee.org/Quiz/>

## Workshop for Architecture Students

The sixth workshop on Earthquake Resistant Practices for Undergraduate Students of Architecture was conducted at IIT Kanpur during July 07 - 12, 2013. The workshop was attended by 57 students from 14 colleges representing 10 cities of India. The aim was to sensitize the students of architecture in earthquake resistant design practices through technical lectures followed by design studios where they were given guidance in earthquake resistant design by working on an architectural design project. The resource persons included:



Prof. Keya Mitra of BESU, Shibpur; Prof. Vasudha Gokhale of Dr. B. N. College of Architecture for Women, Pune; Prof. Alpana Dongre of VNIT, Nagpur; Prof. Meenu Varshney, MNIT Jaipur, Jaipur; Dr. Atanu Dutta of Jorhat Engineering College, Jorhat and Mr. Hari Kumar of GeoHazards, New Delhi. The final designs were evaluated by a Jury board consisting of Prof. Mahesh Tandon, CMD, Tandon Consultants & Pvt. Ltd. New Delhi; Prof. Durgesh C Rai, IIT Kanpur; Ar. Narendranath Mitra, Practicing Architect, Kolkata and Prof. Rajeev Kacker, College of Architecture, Lucknow. The workshop was sponsored by Atomic Energy Regulatory Board, Mumbai; Computers & Structures Inc. (CSI) and Poonam and Prabhu Goel Foundation at IIT Kanpur. For more information, visit:

[http://www.nicee.org/Architecture\\_Workshop/Arch\\_Ws\\_2013\\_Report\\_2013.pdf](http://www.nicee.org/Architecture_Workshop/Arch_Ws_2013_Report_2013.pdf)

### Translations into Local Languages

The soft copy of the Marathi translation of *IITK-BMTPC Earthquake Tips* undertaken by **Ms. Shubhada Gadkar** is available on the website. The monograph by Ar. Tom Schacher has been translated into Hindi by **Er. Kailash Chandra Jain** of Indore. The Hindi translation of the monograph by Dr. Svetlana Brzev has been possible due to the efforts put by the Disaster Mitigation and Management Centre, Dehradun, Uttarakhand with **Dr. Piyooosh Rautela** taking the initiative. NICEE acknowledges the mammoth task undertaken by **Ms. Shubhada Gadkar, Er. Kailash Chandra Jain** and **Dr. Piyooosh Rautela**. We extend our heartfelt thanks to them on behalf of the entire NICEE community. The translation of these monographs into other local languages such as Marathi, Bengali, Oriya, Punjabi, Gujarati, etc. is also in progress through voluntary efforts of enthusiastic supporters of NICEE. The above publications along with other NICEE publications can be viewed at [www.nicee.org/Publications.php](http://www.nicee.org/Publications.php)

### Institutional Membership

You may like to encourage your organisation to take up institutional membership of NICEE. For details: <http://www.nicee.org/AboutNICEE.php?id=18>

#### PLATINUM SUBSCRIBING MEMBERS

₹ 4 lakh (US\$ 10,000) per year or more

#### GOLD SUBSCRIBING MEMBERS

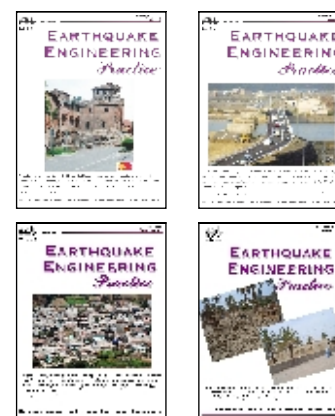
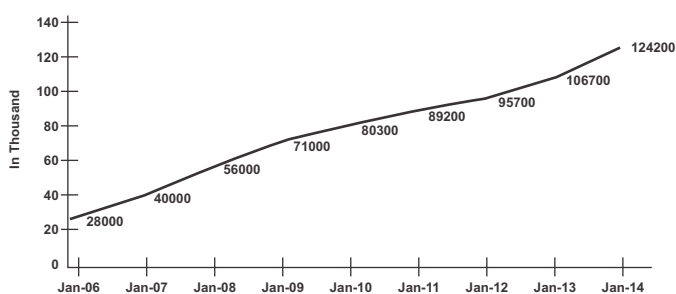
₹1 lakh (US\$ 2,500) per year or more

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₹ 25,000 (US\$ 550) per year or more

### Aggressive Dissemination of Literature

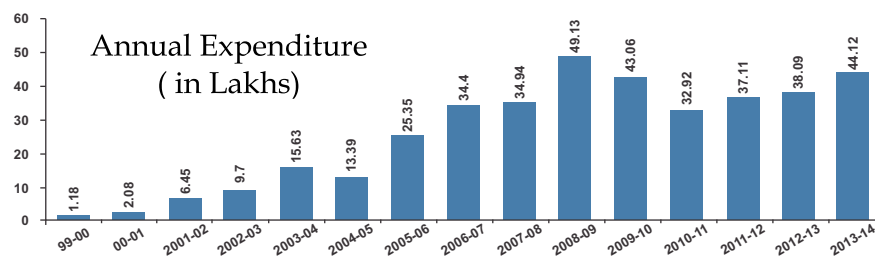
During the year 17,500 copies of books, monographs, and CDs, were distributed. Till date, NICEE has distributed 1,24,200 such items.



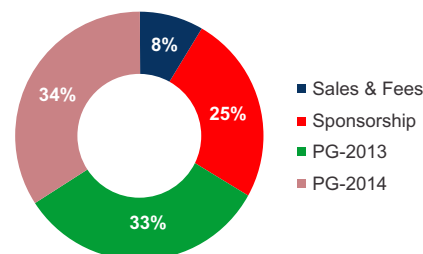
### Earthquake Engineering Practice

The quarterly periodical *Earthquake Engineering Practice* continues to gain popularity. Its subscription list as of March 2014 stands at 3,446 from 69 countries. The periodical is being financially supported by the Computers & Structures Inc. (CSI), Poonam and Prabhu Goel Foundation at IIT Kanpur, and the numerous other donors of NICEE. The annual expenditure on the periodical is to the tune of ₹ 16.0 lakhs. To make it self-sustaining we invite advertisements/ sponsorships from the corporate sector.

### NICEE Financials



### Funding of Expenses – 2013-14



With a healthy growth of NICEE activities, the overall expenditure during the year stood at about ₹ 44.12 lakhs (₹ 38.09 lakhs last year). This was covered by a healthy mix of resources from various sources: 8% from sales and fees, 25% from sponsorships, 33% and 34% from Poonam and Prabhu Goel Foundation at IIT Kanpur for financial years 2012-13 and 2013-14, respectively. IIT Kanpur provided a support of ₹ 9.00 lakhs towards upgradation of office equipments.

The sale proceeds from publications and monographs were ₹ 12.07 lakhs as compared to ₹ 12.03 lakhs last year. The number of donors this year were 77 (64 last year) contributing a total of ₹ 4.30 lakhs with an average donation of ₹ 5,582/- (₹ 8.81 lakh last year with average of ₹ 13,765/-). Since inception, NICEE has received one or more donations from a total of 494 donors with an overall median of ₹ 3,000: this is a great endorsement of NICEE's activities by its friends and well wishers.

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