

FIRST INDO – JAPAN WORKSHOP IN GEOTECHNICAL ENGINEERING

Theme : Earthquake Geotechnical Engineering

Wednesday, 14th December 2011

Venue : Hotel Park Central, Kochi 682 024

About Japanese Geotechnical Society (JGS)

Japanese Geotechnical Society (JGS) was established in 1949 with 122 members to promote technical advances and research activities in the field of geotechnical engineering. From then on, it has witnessed an increasing need for its activities from modern society. The Society has about 13,000 members and has become one of the most active and largest societies among over 100 societies in Japan. The backgrounds of JGS members are wide-ranged, from civil engineering, architecture, agricultural civil engineering and geology to natural resources. The members consist of engineers, researchers, students, corporations and groups. The official web site is <http://www.jiban.or.jp>

Indian Geotechnical Society (IGS)

Indian National Society of Soil Mechanics and Foundation Engineering was established in the year 1948 soon after the second International Conference on Soil Mechanics and Foundation Engineering held at Rotterdam. The society was affiliated to the International Society in the same year. Membership is open to Institutions and Associate Membership is open to business concerns. The Society also recognizes members who have made significant contribution by conferring "Honorary Fellowship" on them. So far, 12 members have been honored with Honorary Fellowship. IGS has presently over 3000 members on its rolls. The official web site is <http://www.igs.org.in>

About Indo – Japan MOU

Indian Geotechnical Society (IGS) and Japanese Geotechnical Society (JGS) signed an MOU at Hong Kong, during the 14th Asian Regional Conference, on 23rd May 2011 to have future collaborations between the two societies for growth of geotechnical engineering, exchange of knowledge, fruitful interaction between researchers and technological developments. As a first initiation, it is proposed to organise a one day workshop in Earthquake Geotechnical Engineering. It was felt that there is no better time to organize the workshop other than the time of IGC 2011. Hence, Kochi became the automatic choice for hosting it.

About the Topic

Earthquake Geotechnical Engineering is one of the most recent, but hot topics in Geotechnical Engineering. Complexity in soil behavior, uncertainties in seismic force and number of casualties suffered during past earthquakes have made this topic even more important. Japan is known to be affected by a number of earthquakes of big magnitude. Expertise available and willingness to reduce the damaging effects have resulted in tremendous progress of Japan in the field of earthquake engineering. Despite the progress, recent earthquakes have shown that understanding the nature is yet not in the near vicinity. The recent Tohoku earthquake of 11th March 2011 showed that many vulnerable geotechnical aspects exist that require further extensive research. India has past history of many earthquakes of big magnitude and considerable sufferings. Bhuj earthquake of 2001, Sumatra earthquake of 2004, Kashmir earthquake of 2005 and Sikkim earthquake of 2011 are a few in recent times during which many geotechnical structures such as embankments, dams, retaining walls, slopes, foundations etc. suffered serious damage. Hence, there is an urgent need to assess whether the existing seismic design principles and procedures for these structures are adequate.

About Kochi & Chapter of IGS

Kochi, popularly known as the 'Queen of the Arabian Sea', is the commercial and industrial capital of Kerala. Kochi is one of the major ports in India. Much of Kochi lies at sea level with a coastline of 48 km. The city has an estimated population of 6,50,000, with an extended metropolitan population of over 1.6 million, making it the largest urban agglomeration and the second largest city in Kerala. Further, Kochi is a fast growing city and many tall and complex structures are being constructed regularly. It is known to possess complex soil conditions and is seismically active.

IGS has many local chapters of which Kochi chapter is the youngest and most active.

About IGC 2011

The Annual Conference of the Indian Geotechnical Society, IGC-2011 will be held in Kochi. The dates are 15-17 December 2011. The conference aims to bring together professional engineers, academicians, researchers, industrialists and others, with interest in Geotechnical Engineering, for exchanging their experiences. IGS Kochi Chapter extends a hearty welcome to all to attend the conference. Visit <http://www.igc2011kochi.org/> for further details.

Proposed Workshop

Proposed workshop will involve some of the best researchers both from academia and industry from India and Japan. The main focus will be on the discussions of performance of geotechnical structures during the recent Tohoku earthquake of 11th March 2011 and some of the recent topics of research and applications in earthquake geotechnical engineering. Seismic design procedures and problems faced during construction of geotechnical structures will be of top priority.

Organising and Technical Committee

Prof. K. S. Rao, President IGS, Indian Institute of Technology, Delhi.

Prof. Osamu Kusakabe, President JGS, Tokyo Institute of Technology, Japan.

Prof. M. R. Madhav, Former Vice President, ISSMGE, JNTU, Hyderabad.

Prof. A. Sreedharan, Professor (Rtd.), IISc, Bangalore.

Prof. Babu T Jose, Chairman, IGC 2011, Kochi.

Prof. Ikuo Towhata, Member, ISSMGE, Professor, University of Tokyo, Tokyo, Japan.

Prof. S. K. Prasad, Professor, S. J. College of Engineering, Mysore.

Prof. Hemanta Hazarika, Kyushu University, Fukuoka, Japan.

Er. Suresh S., Associated Structural Consultants, Kochi.

Dr. Yoichi Watabe, Secretary, JGS, Port & Airport Research Institute, Japan.

Organising Secretaries

Dr. S. K. Prasad,

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Registration

Pre-registration can be made by communicating with any of the Organising Secretaries. Mark copy of your communication to workshop.earthquake@gmail.com However, actual registration will be done at the Registration Desk of the venue on the day of Workshop. Kindly make Pre-Registration well in advance. Maximum number of participants is limited to 80 and the selection is on first come first serve basis. The fee is ₹750/=

Accommodation

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Speakers

- Dr. Yoichi Watabe, Port & Airport Research Institute, Yokosuka, Japan.
- Prof. Osamu Kusakabe, Tokyo Institute of Technology, Tokyo, Japan.
- Prof. Ikuo Towhata, University of Tokyo, Tokyo, Japan.
- Prof. Hemanta Hazarika, Kyushu University, Fukuoka, Japan.
- Er. Hiroyasu Ishii, Taisei Corporation, Japan.
- Er. Yoshitake Oka, JFE Steel Corporation, Japan.
- Prof. K. S. Rao, President IGS, Professor, IIT Delhi.
- Dr. M. R. Madhav, Emeritus Professor, JNTU, Hyderabad.
- Prof. T. G. Sitharam, Professor, IISc, Bangalore.
- Prof. A. Boominathan, Professor, IIT Madras, Chennai.
- Prof. Deepankar Choudhury, Associate Professor, IIT Bombay, Mumbai.
- Prof. B. K. Maheshwari, Associate Professor, IIT, Roorkee.
- Prof. S. K. Prasad, Professor, SJCE, Mysore.
- Prof. Neelima Satyam D., IIIT, Hyderabad.