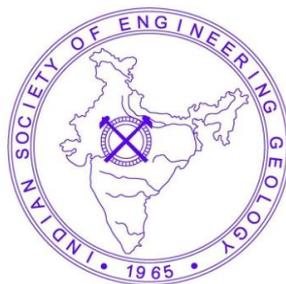


NATIONAL WORKSHOP  
ON  
**NATURAL DISASTERS**  
**WITH SPECIAL REFERENCE TO UTTARAKHAND**

20<sup>th</sup> December 2013

Organized by



**INDIAN SOCIETY OF ENGINEERING GEOLOGY**

(Indian National Group of International Association for Engineering Geology and the Environment)

in association with



NEW DELHI

**ISO 9001 : 2008**

**CENTRAL BOARD OF IRRIGATION AND POWER**



*Dear Colleague*

*I take this opportunity to invite you all fellow officers in one day National Workshop on “Natural disasters with special reference to Uttarakhand” being organized by ISEG in association with CBIP on 20<sup>th</sup> December, 2013 at New Delhi.*

*The workshop is being designed to have in-depth analysis of Uttarakhand catastrophe and discuss ameliorative measures for the damages.*

*Your presence will immensely facilitate in the deliberation and pave ideas for rebuilding the infrastructure of the state.*

*With Regards*

**Dr. Gopal Dhawan**  
President  
Indian Society of Engineering Geology  
(CMD, MECL)

## **OBJECTIVE**

The recent catastrophic flood in Garhwal and Kumaun Himalayas of Uttarakhand is one of the worst disasters which has shaken the confidence of the nation in pursuing the infrastructure developmental models. Consequent upon this massive devastation which occurred in June, 2013 due to heavy rain and cloud burst followed by landslides, there is an urgent need to understand the actual causes of this disaster and revisit philosophy of infrastructure development in Himalayan Region. As a result, the role of Geology and Geotechnique in the massive reconstruction of the state in general and repairs of communication network, rehabilitation of affected villages and other infrastructure facilities has become essential. Indeed, human activities have to be developed on an ethical basis. Engineering geology respects this principle, where implications include sustainable future and environmental conservation. In the next few years, major effects over territorial planning and infrastructure will be due to the global changes that are particularly evident in extreme climate regions. Climate changes also affect natural processes related to slope dynamics, water courses etc. Engineering Geology plays a major role in planning for a sustainable use of water resources and a proper monitoring of natural hazards (as landslides, floods, earthquakes etc).

Keeping the above in view, Indian Society of Engineering Geology (ISEG) and Central Board of Irrigation and Power (**CBIP**), New Delhi is organizing a workshop on “**Natural Disasters with Special Reference to Uttarakhand**”.

The proposed workshop is intended to focus on the dynamic role of Engineering Geology and Geotechnical studies in identification of Landslide Hazard Zones, Triggering Factors, Causes & Preventions etc. by means of a series of sessions and topics offered to the participants. Besides, this workshop will also provide through insight on surveys, design procedures, construction and monitoring techniques for infrastructure development.

The workshop will also offer an opportunity for scientists, companies and agencies to meet and improve together the current state of infrastructure development keeping in prima facie the engineering geological aspects. For this purpose keynote lectures and papers will be presented by both academic representatives and professional operators. The cooperation between research and practice will lead to plan an exclusive developmental model for Himalayan Region.

## **ABOUT THE ORGANISERS**

**Indian Society of Engineering Geology (ISEG)**, founded in 1965, is a professional and a scientific forum. The Society, over the years, has effectively served as a formidable bridge between the geologists and engineers; has provided a vibrant platform for discussing and debating a host of geotechnical problems and state-of-the-art technologies; and projected the Nation's

achievements in the field of Geotechniques before the world. The Society launched its bi-annual newsletter – the ISEG News – in March 2004, hailed as another milestone in the Society's illustrious journey. In its forty eight years of dedicated service to the nation, the ISEG has brought out many milestone technical publications such as "Indian Monuments Through Ages" and "Geotechnical Features of Major Dams in India" and bi-annually publishes its journal – "Journal of Engineering Geology", incorporating a host of scientific papers on various themes. From time to time, the Society has been providing fora for technical deliberations on relevant topics and has organised a number of Symposia/ Seminars/ Workshops, e.g. at Dehradun (1981, 2002), Shillong (1985), Lucknow (1988, 1996, 1998, 2004), Kolkata (1990), Vadodara (1991), Bhopal (1999), Hyderabad (2008, 2013) etc. The Society also earned the rare distinction by hosting the four-yearly prestigious International Congress of the International Association of Engineering Geology (presently International Association for Engineering Geology and the Environment) at New Delhi in 1982 and 8th Asian Regional Conference of IAEG "International Conference on Underground Space Technology" at Bangalore in 2011.

**Central Board of Irrigation and Power (CBIP)**, since its inception in 1927, is engaged in the dissemination of information regarding recent technological advancements in the disciplines of water resources, dam engineering, tunnels and underground works, rock mechanics, geosynthesis, power and renewable energy. Besides, it provides a forum for exchange of experiences, facilitating flow of technology through the organization of symposia, seminars, workshops, training courses, both at national as well international levels, in liaison with international organizations. In addition, useful technical publications on relevant subjects highlighting the state of the art technologies are also being brought out by CBIP.

## **OFFICIAL LANGUAGE**

English will be the official language of the Workshop.

## **DATE AND VENUE**

The Workshop will be held at New Delhi, on 20<sup>th</sup> December, 2013.

## **THE PROCEEDINGS**

In the light of the sensitivity and nationwide importance of the topic, it has been decided to invite Government Officials, Bureaucrats and media professionals to attend the above workshop and present their views through technical papers from distinguished experts in the discipline, oral presentations from authors of scientific papers on themes as enumerated followed by discussions. The

Workshop will also offer an extraordinary opportunity for scientists, geologists, infrastructure developers and testing agencies to meet and discuss ways and means of safe infrastructure development keeping in view the engineering geological and environmental aspects. It is aimed that the deliberation in the national workshop will lead to plan an exclusive developmental model for Himalayan Region.

## **THEMES**

The themes for the workshop are:

- Disaster in Uttarakhand, its causes and remedial measures.
- Implications of the flash flood on the ongoing sustainable Infrastructure developmental works of Uttarakhand.
- Climate change and their effects on natural processes related to slope dynamics, water courses etc.
- Monitoring of natural hazards/ Landslide Hazard Zonation
- GLOF Studies – Its importance in mitigating flood hazard.
- Role of Hydroelectric Projects in Disaster Management
- Hydropower Projects –boon or bane for Uttarakhand.
- Role of Engineering Geology in Prediction and Mitigation of Natural Disaster.

## **KEY SPEAKERS**

Key speakers from leading organizations working in the Uttarakhand Himalaya in the field of engineering geology, geotechnical engineering, civil engineering, hydropower and dam engineering, irrigation & flood control projects, highway and new railway lines, bridges, border roads and general infrastructure development including buildings and environment are being invited for making their presentation in the workshop.

## **REGISTRATION FEE**

The registration fee payable by the delegates, including authors of papers, for participation in the workshop is as follows

Members ISEG/CBIP	Rs. 2000/-
Non members	Rs. 2500/-
Researchers/Academicians/Students	Rs. 1,500/-

In case of 3 or more nominees from an organization, 10% discount in the registration will be offered. Researchers/ Academicians/ Students may submit their registration form/request along with attestation from Head of the Department/Institute to avail concessional registration.

The fee covers the cost of registration kit, lunch and tea between the technical sessions. The participants will have to make their own arrangements for travel and stay. No financial support will be provided by the organizers.

The last date for receipt of the registration along with fee is 16<sup>th</sup> December, 2013. However, limited on spot registrations will also be available. Photocopies of the registration form can also be used. Delegates are strongly encouraged to register in advance.

### **SPONSORS / CO-SPONSORS**

Government Organisations, Public and Private Sector Organisations, involved in the discipline of Engineering Geology and Geotechnique, in the management of geohazards or in Infrastructure or Project building work are welcome to Sponsor / Co-sponsor the event.

Platinum Sponsor - Rs 2,00,000/-  
Gold Sponsor - Rs 1,00,000/-  
Silver Sponsor - Rs 50,000/-

Platinum and Gold Sponsors will get one full page advertisement in the Proceedings Volume besides free registration for six and three delegates respectively. Besides this, their logos and names will be prominently displayed in the backdrop/conference venue. Platinum and Gold sponsors can also distribute their literature or brochures with the kit material. Silver sponsors will get half page advertisement and two delegates free. Interested organisations may please confirm their participation by 29<sup>th</sup> November, 2013.

### **PROCEEDINGS**

It is proposed to bring out Proceedings Volume at the time of workshop. Advertisement material from reputed Institutions, Public, Private Sector Organisations and construction companies is welcome for publication in the Souvenir as per the tariff indicated. Soft copy and hard copy of advertisement material may be submitted to the Organising Secretary in advance by November 29<sup>th</sup> 2013.

**Tariff for advertisement:**

Full page : Rs 25,000/-  
Half page : Rs 20,000/-  
Quarter Page : Rs.10,000/-

**PAYMENTS**

All payments shall be made by Bank draft/cheque payable at par at Lucknow in favour of "**Indian Society of Engineering Geology**". The payments can also be arranged by bank transfer as per details given below:

**Account Holder Name:** Indian Society of Engineering Geology  
**Name of Bank & Branch:** UCO Bank, GSI Branch, Aliganj, Lucknow  
**Savings Bank Account No.:** 90330200000045  
**IFSC:** UCBA0002024

**ADDRESS FOR CORRESPONDENCE**

All correspondences relating to the Workshop should be addressed to:

**Shri. N.K.Mathur,**  
Organizing Secretary

General Manager  
Project Investigation Division  
NHPC Limited,  
NHPC Office Complex,  
Sector-33, Faridabad-121003 (HR)  
Telefax:- 0129 2254669  
Mob:- +919717288891  
E-mail:isegseminar@rediffmail.com

NATIONAL WORKSHOP  
ON  
NATURAL DISASTERS WITH SPECIAL REFERENCE TO UTTARAKHAND  
20<sup>th</sup> December, 2013

**REGISTRATION FORM**

1. Name : \_\_\_\_\_  
(First Name) (Middle Name) (Surname)
2. Position : \_\_\_\_\_
3. Organization : \_\_\_\_\_
4. Address : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. Mobile No. : \_\_\_\_\_
6. E-mail ID : \_\_\_\_\_
7. Payment Deatils

In case of Bank DD/ Cheque: Amount \_\_\_\_\_, DD/ Cheque No. \_\_\_\_\_

*(All payments shall be made by Bank draft/ multicity cheque payable at par at Lucknow in favour of "Indian Society of Engineering Geology.)*

In case of Online Transaction: Amount \_\_\_\_\_, UTRN \_\_\_\_\_

*(Account Holder Name: Indian Society of Engineering Geology  
Name of Bank & Branch: UCO Bank, GSI Branch, Aliganj, Lucknow  
Savings Bank Account No.: 90330200000045  
IFSC: UCBA0002024)*

8. I intend to participate in the deliberations of the Workshop.

\_\_\_\_\_  
(Signature)

Place : \_\_\_\_\_

Date : \_\_\_\_\_