

SECOND CIRCULAR

(September 2014)



ISEG (1965-2015)



IAEG India National Group

Indian Society of Engineering Geology

Commemorates 50 Glorious Years & Announces



International Golden Jubilee Conference

Engineering Geology in New Millennium

EGNM-2015

Organized By



**Indian Society of Engineering Geology
(IAEG India NG)**

Sponsored By



**International Association for
Engineering Geology and the Environment (IAEG)**

In Association with



**Geological Survey of India
(Ministry of Mines, Government of India)**



**Mineral Exploration Corporation Ltd. (MECL)
(A Mini Ratna Government of India Company)**



CONFERENCE DATES

IAEG Executive Committee Meeting	October 25 , 2015
IAEG Council Meeting	October 26 , 2015
International Conference	October 27, 28 & 29, 2015
Technical Excursions	October 30, 31 & November 1, 2015
Sight Seeing Tours	October 30 — November 3, 2015

VENUE

**Indian Institute of Technology
New Delhi, India**



ADVISORY COMMITTEE

Chairman

Dr. Anup K. Pujari, Secretary, Ministry of Mines, Government of India

Members

1. **Dr. Gopal Dhawan**, CMD, MEC Ltd., Nagpur (President, ISEG). E-mail: presidentiseg@gmail.com
2. **Mr. Carlos Delgado**, President, IAEG
3. **Dr. Scott F. Burns**, President (Elect 2015-18), IAEG
4. **Mr. Wu Faquan**, Secretary General, IAEG
5. **Mr. Harbans Singh**, Director General, Geological Survey of India, Kolkata
6. **Mr. R.S.T.Sai**, CMD, NHPC, Faridabad and THDC Rishikesh
7. **Mr. R.P. Singh**, CMD, SJVN Ltd., Shimla
8. **Mr. P.C. Pankaj**, CMD, NEEPCO, Shillong
9. **Mr. R.C. Jain**, Chairman, Central Ground Water Board, Bhujal Bhawan, Faridabad
10. **Mr. Major Singh**, Member (Power System) & Nominee Chairman, Central Electricity Authority, New Delhi
11. **Mr. D.P. Bhargava**, Director (Technical), NHPC, Faridabad
12. **Dr. V.M. Sharma**, Past President, ISEG, New Delhi
13. **Dr. R. K. Shevgaonkar**, Director, IIT, Delhi
14. **Mr. Dasho Chhewang Rinzin**, M.D., Druk Green Power Corporation Ltd., Bhutan
15. **Mr. R.N. Khajanchi**, M.D., Punatsangchhu Hydroelectric Project Authority, Bhutan
16. **Mr. A.K. Mishra**, M.D., Mangdechhu Hydroelectric Project Authority, Bhutan
17. **Mr. T.K. Sivarajan**, Director HCD (N&W) & Nominee Chairman, Central Water Commission, New Delhi
18. **Mr. Murari Ratnam**, Director, CSMRS, New Delhi
19. **Mr. V.K. Kanjlia**, Secretary, Central Board of Irrigation & Power, New Delhi
20. **Dr. V. Venkateswarlu**, Director, National Institute of Rock Mechanics, Kolar
21. **Prof. D. C. Panigrahi**, Director, Indian School of Mines, Dhanbad
22. **Mr. Amalendu Sinha**, Director, Central Institute of Mining & Fuel Research, Dhanbad
23. **Mr. Yogendra Deva**, Vice President (Asia, Elect 2015-18), IAEG

Member Secretary

24. **Mr. M. Raju**, Deputy Director General, GSI, Kolkata (Secretary, ISEG)

Advisory Committee will have an overall guidance and steering role. Various organizing committees have been formed as mentioned below. Their details can be seen on websites www.isegindia.org and www.joegindia.com.

ORGANIZING COMMITTEES

1. Executive Committee; 2. Technical Committee; 3. Editorial Committee; 4. Finance Committee; 5. Venue and Catering Committee; 6. Accommodation and Transport Committee; 7. Field Visit and Sight Seeing Committee; 8. IAEG Affairs Committee; 9. Ministerial Affairs Committee; 10. Reception and Registration Committee; 11. Sponsorship and Exhibition Committee; 12. Press and Publicity Committee.

Chairman Organizing Committee : Dr Gopal Dhawan, CMD, MECL (President, ISEG)

Organizing Secretary : Mr M. Raju, Dy. DG, GSI (Secretary, ISEG)

ABOUT THE SOCIETY

Indian Society of Engineering Geology (ISEG) is a professional and scientific forum comprising members from diverse but related fields of Geology, Engineering Geology, Geotechnical Engineering, Civil Engineering, Environmental Engineering and Environmental Sciences, representing almost all the leading organizations engaged in various infrastructural and developmental projects in India. J. B. Auden established Engineering Geology in Geological Survey of India in the year 1945. As the work increased, the need for interaction and bringing the experts under one umbrella was felt. Subsequently, the Indian Society of Engineering Geology was formed and inaugurated by Dr. K.L. Rao, the then Union Minister of Irrigation and Power on October 15, 1965 at Kolkata. The first president of the society was Dr. D.N. Wadia, the doyen of Indian geology. It is noteworthy that the society remains not only confined to classical engineering geology but also encourages geotechnical engineering, soil and rock mechanics, environmental geology, surface and ground water hydrology, mining, explorations, testing and related specializations.

ISEG will be completing five decades of glorious service to the nation in October 2015 and shall be celebrating its Golden Jubilee in the same year. The society is affiliated to International Association for Engineering Geology and the Environment (IAEG) and is known as IAEG India National Group in international forums. It is managed by a council as given at website www.isegindia.org.

INVITATION



Dear Colleagues,

India has made rapid strides in infrastructure development in the last 50 years and so has been spectacular progress of engineering geology. Indian Society of Engineering Geology (IAEG India NG) was established in October 1965 and will be completing glorious fifty years in 2015. The society has done yeomen's service to the nation and has brought all the related professionals under one umbrella. To commemorate the event, an International Conference titled "*Engineering Geology in New Millennium*" shortly called as *EGNM 2015* will be hosted by ISEG on 27-29th October 2015 in New Delhi. We are happy to intimate that IAEG is sponsoring the event. We will also host their Executive Committee and Council Meetings on 25th & 26th October 2015. I take this opportunity to invite geologists, engineering geologists, geological, geotechnical and civil engineers, academicians, scientists and mining professionals to make technical contributions through papers and attend the conference. Regular updates and subsequent circulars will be available through ISEG websites www.isegindia.org and www.joegindia.com.

With kind regards,
Dr. Gopal Dhawan
 Président, ISEG

Chairman, Organizing Committee

ABOUT NEW DELHI

New Delhi is the national capital of India. It is most important political, economical, administrative and judicial center and is one of the most targeted emerging markets & retail destination in Asia-Pacific region.

The city has a humid subtropical climate with high variation between summer and winter in terms of both temperature and rainfall. However in later half of October, climate is most pleasant with maximum & minimum temperatures ranging from 18°C to 33°C. It has several places of tourist interest including gardens, parks, historical monuments, temples, museums, modern shopping malls, hotels of international repute and restaurants offering both local and international cuisine. Akshardham Temple, Red Fort, Jama Masjid, India Gate, Lotus Temple & Railway Museum are big tourist attractions.



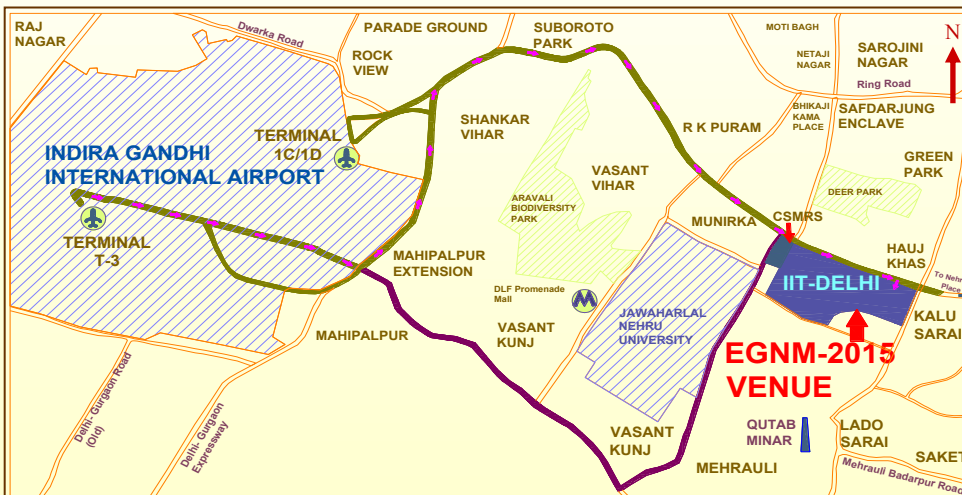
ABOUT VENUE

The venue of the conference IIT Delhi is a premier Engineering & Technological institute in India & boasts of renowned engineering faculty and infrastructure for holding seminars & meetings. The distance from IG International Airport Delhi to IIT is 12 km or 7.5 miles. On advance intimation, Indian & Foreign delegates will be received at airport and transport arranged to their hotels on nominal charges as applicable. Incidentally, 4th International Congress of IAEG was held at the same venue in 1982.

Indian Institute of Technology- Delhi
 Hauz Khas, New Delhi-110 016, INDIA



Accommodation: There are number of decent hotels and guest houses available within 5 km radius of the conference venue. Cost of accommodation may range from a modest at Rs 3000/- (US\$ 50) to highly rated Rs 18,500/- (US\$ 300) per day for single/double occupancy. Five star hotels are available at approximately US\$ 125 per day. For further information regarding accommodation please see websites www.isegindia.org and www.joegindia.com.



THEMES

1. Ambit of engineering geology, international viewpoints, Indian references, historical developments, roles and functions of engineering geologists.
2. Engineering geological education, undergraduate and graduate level study, pure and applied geology, geology in civil engineering, geology in geotechnical engineering, cross disciplinary and collaborative research, new approach in engineering geological education.
3. Recent developments in explorations, new techniques in investigations, exploratory drilling tools, geophysical surveys, geological & geophysical logging, accelerated investigation programs.
4. Application of rock mechanics tests in investigation & pre-construction stages of river valley projects, importance of lab and insitu testing, International Standards and methods, Indian Standards, ASTM and British standards: similarities and differences.
5. How to use test results? Recent techniques of derivation of engineering properties from rock mass classifications.
6. Engineering geological monitoring in construction stage projects, tackling geological problems, role of best construction practices, recent advances in open air and underground excavations and support techniques, slope stability.
7. Soil Mechanics: Slope stability, rock fill & earthen dams and embankments.
8. Investigation and construction methodology for long tunnels, use of TBM's, success stories and pitfalls.
9. Geological input in contract documents, understanding obligations of owners and contractors, risk assessment and sharing, use of specialized agencies, do's and don'ts for engineering geologists while handling contracts.
10. Exploration & testing for construction materials, quarrying, environmental aspects, disposal of tunnel waste, reclamation.
11. Blasting techniques, importance in deep open excavations, blast design for safe and speedy tunneling, methodology for excavation and support of large caverns. Effects of blasting on engineering properties.
12. Application of rock mass classification in engineering projects.
13. Geotechnical studies, engineering & design for large underground caverns related to power stations, desilting chamber and other applications.
14. Engineering geology, geohydrology and rock mechanics for underground oil storage caverns.
15. Rock support elements: Theory & practice, recent advancements both in soil & rock stabilization.
16. Case histories for CFRD and RCC dams.
17. Application of geotechnical engineering and rock mechanics in mining, role of engineering geology, case studies, mining methodology and environmental issues of open cast and underground mining.
18. Geo-environmental studies for large civil engineering projects, sustainable development, environmental aspects of river valley schemes, EIA & EMP studies for river valley schemes.
19. River basin management, hydrological studies of mountains and plains, GLOF studies, reservoir sedimentation and catchment area treatment.
20. Geo-hydrological studies in hilly terrain, ground water modelling for underground projects, use of new techniques, assessment of water ingress.
21. Ground water contamination, cities and country side expansion and water balance studies.
22. Landslide studies and mitigation, hazard zonation, exploration technique, monitoring, engineering solutions, long term measures.
23. Urban engineering geology: Geotechnical evaluation of cities, metro tunnels, underground space technology, waste water treatment plants. Engineering geology and rock mechanics in underground storage caverns.
24. Seismo-tectonic studies and earthquake engineering.

* Please note that depending upon response, the themes may be deleted or combined in final technical program.

ABSTRACT SUBMISSION

The abstracts are invited more or less conforming to the above themes of the conference in about 250 words. They can be directly submitted at www.joegindia.com or emailed to iseg2015@gmail.com before December 31st 2014. Only Times New Roman Font may be used. Specifications for abstract are mentioned below:

Title of Paper : Size 18 Bold, Author (s)/ Affiliation in size 12 *Italics*, Headings : Size 12 Bold, Abstract text: Size 12. Margins for abstract on A4 size paper shall be 3.81cm towards left and 2.54 cm towards top, bottom and right.

Authors of selected abstracts will be asked to submit full length papers. Full paper should be submitted in the prescribed format as given on the ISEG website for Journal of Engineering Geology (www.joegindia.com) as word document.

IMPORTANT DATES

- **Abstract Submission Deadline** : **December 31, 2014**
- **Abstract Acceptance Before** : **February 28, 2015**
- **Full Paper Submission Deadline** : **May 31, 2015**
- **Full Paper Acceptance Before** : **June 30, 2015**
- **Revised Full Paper Deadline** : **July 31, 2015**
- **Registration Opens** : **April 1, 2015**

Announcement: Full length papers received for presentation at the Conference will be published in proceedings volume after peer review. All the delegates will receive the Conference Proceedings during EGNM in CD format. Limited printed copies of the EGNM Conference Proceedings will be available at a reasonable price and can be purchased during the conference.

REGISTRATION

Registration form can be filled online at www.joegindia.com on EGNM-2015 homepage. Registration form can also be downloaded from ISEG website www.isegindia.org and www.joeginida.com and submitted in hard copy also to organising secretary at the address given on the last page. Every Delegate including the authors of the technical papers attending the International conference shall pay a registration fee as per rates mentioned below by cheque/ demand draft or by online transfer of funds towards ISEG. Registration opens in April 2015.

Category	Early Bird*	Standard	Spot
General	US\$ 500	US\$ 550	US\$ 600
IAEG Members	US\$ 450	US\$ 500	US\$ 550
Students/ Accompanying Members	US\$ 200	US\$ 250	US\$ 300
SAARC Delegates**	INR 10,000		INR 15,000

* *Early Bird: Up to 30 June 2015*

** *ISEG Life Members: 30% Off; IAEG Members/Govt. Delegates: 40% Off; Students/Accompanying Members: 60% Off. Please note only one concession is applicable and available for Indian Members only. Note: 12.36% Service Tax Extra.*

Registration fee includes conference kit, lunch and refreshment on three days of event. The fee may be paid directly to the ISEG through any of the options described below:

- (a) By online bank transfer. Bank details are as follows:
- (i) Name of the Bank: Indian Overseas Bank; (ii) Branch: NHPC Branch;
 - (iii) Bank Address: Indian Overseas Bank, NHPC Office Complex, Sector-33, Faridabad-121 003, Haryana, India;
 - (iv) Name of the Account: ISEG-IC-EGNM2015; (v) Account Number: 150101000018000;
 - (vi) IFS Code: IOBA0001501.
- (b) Payment gateway available on ISEG website: www.joegindia.com (after filling the requisite form giving details of the delegate(s)).
- (c) By crossed (account payee) demand draft or cheque payable to *ISEG-IC-EGNM2015* at Faridabad, Haryana, India.

SPONSORSHIP

PLATINUM	Rs. 5.00 Lakhs	Five delegates free to attend the conference. Display of company logo in banners & backdrop; full page advertisement of company in souvenir; Scrolling display of company logo on ISEG website for a period of one year.
GOLD	Rs. 2.00 Lakhs	Three delegates free to attend the Conference. Display of company logo on banners & backdrops; full page advertisement of company in souvenir; Scrolling display of company logo on ISEG website for a period of one year.
SILVER	Rs. 1.00 Lakhs	Two delegates free to attend the Conference. Display of company logo on banners & backdrops; full page advertisement of company in souvenir; Scrolling display of company logo on ISEG website for a period of one year.
BRONZE	Rs. 0.50 Lakhs	One delegate free to attend the Conference. Display of company logo on banners & backdrops.

Pre Conference Souvenir will be distributed to all delegates with their registration kits. Advertisements are invited for inclusion in souvenir volume at rates mentioned below:

Full page back colour	Rs. 50,000/-
Front page inner colour	Rs. 40,000/-
Back page inner colour	Rs. 30,000/-
Full page colour	Rs. 20,000/-
Half page colour	Rs. 10,000/-

POST CONFERENCE EXCURSIONS AND TOURS

TECHNICAL EXCURSIONS

Technical Excursions to largest Indian hydroelectric projects **Nathpa Jhakri** and **Tehri** constructed in the Himalayas. Special geotechnical challenges like hot water springs, mountain stresses, thick shear zones, flowing ground conditions, landslides etc were experienced in these projects.



AMAZING INDIA



Amazing India sightseeing tours to important tourist destinations like Taj Mahal, Qutab Minar, Red Fort, Jama Masjid, Fatehpur Sikri, Jaipur Palace, Hawa Mahal, famous temples, Ajanta - Ellora Caves, Khajuraho, Varanasi temples and ghats of the holy Ganges, Kerala backwaters, fascinating Rajasthan, etc. Customized programs to suit duration and cost also.



INCREDIBLE SHOPPING EXPERIENCE

Incredible Shopping Experience tour to the markets of Delhi like Dilli Haat, Chandni Chowk, Rajeev Chowk, Central Market, etc. A must-do for spouses.

Exciting **Spouse Programmes** like Mehndi (henna), Choodi (bangles), Saree tying, etc.



CONTACTS

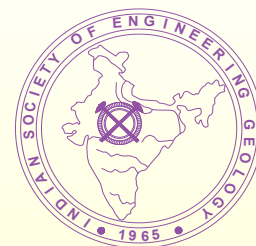
FOR ALL CORRESPONDENCE

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FOR ABSTRACTS/ PAPERS ONLY

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ISEG (1965-2015)