

*National Workshop on*  
**SLOPE STABILIZATION CHALLENGES  
IN INFRASTRUCTURE PROJECTS**

**1 - 2 February 2024 (Thursday & Friday), New Delhi**



*Organised by*



**Indian National Group of International Society for Rock Mechanics and Rock Engineering  
Central Board of Irrigation & Power  
Indian Chapter of International Geosynthetics Society**



## OBJECTIVE

Slope failures are significant natural hazards in many areas throughout the world. Slope failures can be triggered by weather events, geological events, human modification of the landscape or most commonly, some interaction of all of the above. Mountainous regions, hilly regions, open pit mining, and coastlines have the greatest risk of slope failures. Also, locations in active tectonic regions are prone to slope failures triggered by earthquakes or volcanic activity.

The objective of the proposed workshop is to provide a forum for design and construction engineers for analyzing the stability of slopes of earth and rock-fill dams, slopes of other types of embankments, excavated slopes, and natural slopes in soil and soft rock, methods for analysis of slope stability, strength tests, analysis of conditions, and factors of safety, use of geosynthetics for slope stability, etc.

The workshop is being organised by the Indian National Group of International Society for Rock Mechanics & Rock Engineering with the support of the Central Board of Irrigation and Power and Indian Chapter of International Geosynthetics Society.

## ABOUT THE ORGANISERS

Indian National Group of ISRM was registered as the Committee of the International Society for Rock Mechanics (ISRM), under Societies Registration Act XXI of 1860 in the year 1991 and it represents the International Society for Rock Mechanics & Rock Engineering (ISRM) as Indian National Group, and has its Secretariat at the Central Board of Irrigation & Power (CBIP), Malcha Marg, Chanakyapuri, New Delhi.

The Indian national Group of ISRM, presently named as ISRM (India), has been involved in dissemination of information on Rock Mechanics, Mining and Tunnel Engineering by organizing Symposia, Seminars, Workshops, and Training Courses, both at National as well as International level, in liaison with international organizations, since its inception.

The main objectives and purposes of the Society are:

- to encourage international collaboration and exchange of ideas and information between Rock Mechanics practitioners;
- to encourage teaching, research, and advancement of knowledge in Rock Mechanics;
- to promote high standards of professional practice among rock engineers so that civil, mining and petroleum engineering works might be safer, more economical and less disruptive to the environment.

The CBIP acts as Secretariat of the Indian Chapter of many international organisations like International Society for Rock Mechanics and Rock Engineering (ISRM), International Geosynthetics Society (IGS),

## TENTATIVE TOPICS

The following will be the topics for discussion during the Workshop :

- Numerical Modelling of Large Slopes
- Early Warning Systems for Slope Failures
- Performance of Different Softwares
- Geosynthetics for Slope Stability
- Acceptable Risk for Open Pit Mining
- Numerical Analysis and Design Methods
- Seismic Slope Stability

## OFFICIAL LANGUAGE

English will be the official language of the Workshop.

## DATES AND VENUE

**The Workshop will be held during 1 - 2 February 2024 at Conference Hall of the Central Board of Irrigation & Power, Malcha Marg, Chanakyapuri, New Delhi 110 021.**

## CALL FOR CASE STUDIES

Case studies on the topics proposed and allied topics are invited. Intending authors may send the full text of their case studies, as per the guidelines given below. **The last date for the receipt of full texts of the case studies is 15 January 2023.**

The case studies will be reviewed by the Technical Committee as to their suitability for presentations. The case studies accepted for presentation will be notified by **19 January 2023**. A condition of acceptance of the case studies will be that the author, or one of the authors in case of multiple authors, will attend the Seminar and make the presentation.

The case study shall contain:

- a descriptive, but brief title
- title, name(s) and affiliation of the author(s)
- address for correspondence (including fax numbers and e-mail addresses)
- detailed information about the objective, methods, results and conclusion, to enable a correct appraisal of the suitability of the proposed case study for the Seminar
- References at the end, with due reference in the text

The full text of the papers, not exceeding 08 pages of A4 size, in single space and 10 Point Normal Times Roman Font, both in MS Word and PDF, need to be sent through e-mail only at [kamal@cbip.org](mailto:kamal@cbip.org). The papers will be printed by offset process. Therefore, the text of the paper in English must be free from errors. Only original contributions that have not been published or presented at any other forum are acceptable.



Standard and universally accepted abbreviations should be used. When a special abbreviation appears in the text for the first time, it should be accompanied by its extended form.

The figures should be placed nearest to the first reference in the text and should not be larger than the print areas. Tables in the manuscript should be numbered consecutively and referred to in the text by their numbers. A suitable heading should also be provided. References should follow the text to be listed at the end in numerical order with the corresponding number cited in brackets at appropriate places.

At the end of the references, the author(s) must furnish biodata not exceeding 100 words as per sample given below:

“AAAAAA graduated in Civil Engineering from the University of PPPPPP in 1965. He obtained a Ph.D. in Civil Engineering at the University of QQQQQQ. From 1969 to 1980 he worked for RRRRRR, specialising in design and construction of gates at hydro plants. In 1980 he joined SSSSSS Company as Hydraulic Design Chief Engineer, where he worked on civil aspects of the following hydro projects: xxxxx, yyyyyy and zzzzzz. From 1988 he has been Professor of Hydraulic Engineering at the University of GGGGGG, where he specialises in analysis of model test procedures for hydraulic gates”.

A similar description should be given for each author.

## REGISTRATION FEE

The registration fee payable, per delegate, including authors of papers, for participation in the Workshop is as follows:

|                                |                          |
|--------------------------------|--------------------------|
| Members of CBIP/ISRM/IGS       | INR 9,000/- + GST @ 18%  |
| Others                         | INR 10,000/- + GST @ 18% |
| Academic/Research Institutes   | INR 6,000/- + GST @ 18%  |
| Students & Accompanying Person | INR 2,000/- + GST @ 18%  |

To avail the student concession in the registration fee, the registration form/request will have to be submitted along with a certificate from the head of the Department/institute.

In case of 4 or more nominations from an organization, one delegate will be offered complimentary registration.

The registration fee covers the cost of registration kit, lunch and tea in-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.

## SPONSORSHIP OPPORTUNITY

The Seminar provides an effective opportunity for organisations/companies to sponsor/support the Seminar under following categories:

| Category   | Amount*         | Benefits                                                                                                                                                                                                                                                                                                                            |
|------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sponsor    | INR 2,00,000.00 | <ul style="list-style-type: none"><li>• Complimentary registration of upto five representatives</li><li>• Distribution of promotion literature among the participants through the registration kit</li><li>• Table top display of products/services</li><li>• Company name and logo on Information Bulletin, banners, etc</li></ul> |
| Co-Sponsor | INR 1,00,000.00 | <ul style="list-style-type: none"><li>• Complimentary registration of upto three representatives</li><li>• Distribution of promotion literature among the participants through the registration kit</li><li>• Company name and logo on Information Bulletin, banners, etc</li></ul>                                                 |
| Supporter  | INR 50,000.00   | <ul style="list-style-type: none"><li>• Complimentary registration of upto two representatives</li><li>• Company name and logo on Information Bulletin, banners, etc</li></ul>                                                                                                                                                      |

## PAYMENTS

The fee can be paid by cheque to be drawn in favour of “The Committee of the ISRM” or by bank transfer to the following account:

Bank Details for arranging Payment:

- Name of Bank: Canara Bank, Delhi Diplomatic Enclave, 7/48, Malcha Marg, Chanakyapuri, New Delhi 110021
- Account No. 0157101031512 • MICR Code No. 110015007 • Account Holder Name: The Committee of the ISRM
- IFSC Code: CNRB0000157 • Swift Code: CNRBINBDFS

**\*GST @ 18% shall be charged extra. GST No. : 07AABAT3240K1ZJ**

## SECRETARIAT

All correspondences relating to the Seminar should be addressed to:

**Mr. A.K. Dinkar, Secretary CBIP**

Central Board of Irrigation & Power, Malcha Marg, Chanakyapuri, New Delhi 110 021, India

**Contact Persons: Mr. K.K. Singh, Director (WR)/ Mr. Kamal Kumar, Manager (WR)**

Phone : +91-11- 2611 1294/2687 5017, Mobile: 8826434222 (Mr. Kamal Kumar)

Fax : +91-11-2611 6347 E-mail : kamal@cbip.org / contact@isrmindia.org / meenakshi@cbip.org



*Workshop*

# SLOPE STABILIZATION CHALLENGES IN INFRASTRUCTURE PROJECTS

**1 - 2 February 2024, New Delhi**

## REGISTRATION FORM

(To be filled in block letters preferably typed)

1. Name of Participant \_\_\_\_\_  
(Surname) (First Name) (Prefix Prof./Dr./Mr./Mrs./Ms.)
2. Designation: \_\_\_\_\_
3. Name of Organisation: \_\_\_\_\_
4. Mailing Address: \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_  
Country \_\_\_\_\_ PIN \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_
5. Payment details:

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- IFSC Code: CNRB0000157 • Swift Code: CNRBINBBDFS

Dated \_\_\_\_\_

Signature \_\_\_\_\_

***Registration Form duly filled in, together with necessary payments to be mailed to***

**Mr. A.K. Dinkar**

*Secretary*

Central Board of Irrigation & Power, Malcha Marg, Chanakyapuri, New Delhi 110 021, India

Phone : 91-11-2611 5984 / 2611 6567 Ext. 113 / 140 Fax : 91-11-2611 6347

**Mr. Kamal Kumar** (Mobile No : 8826434222)

E-mail: kamal@cbip.org; contact@isrmindia.org; Website : www.cbip.org

**Note:**

- Spot registration facilities will also be available, provided the prior information is received.