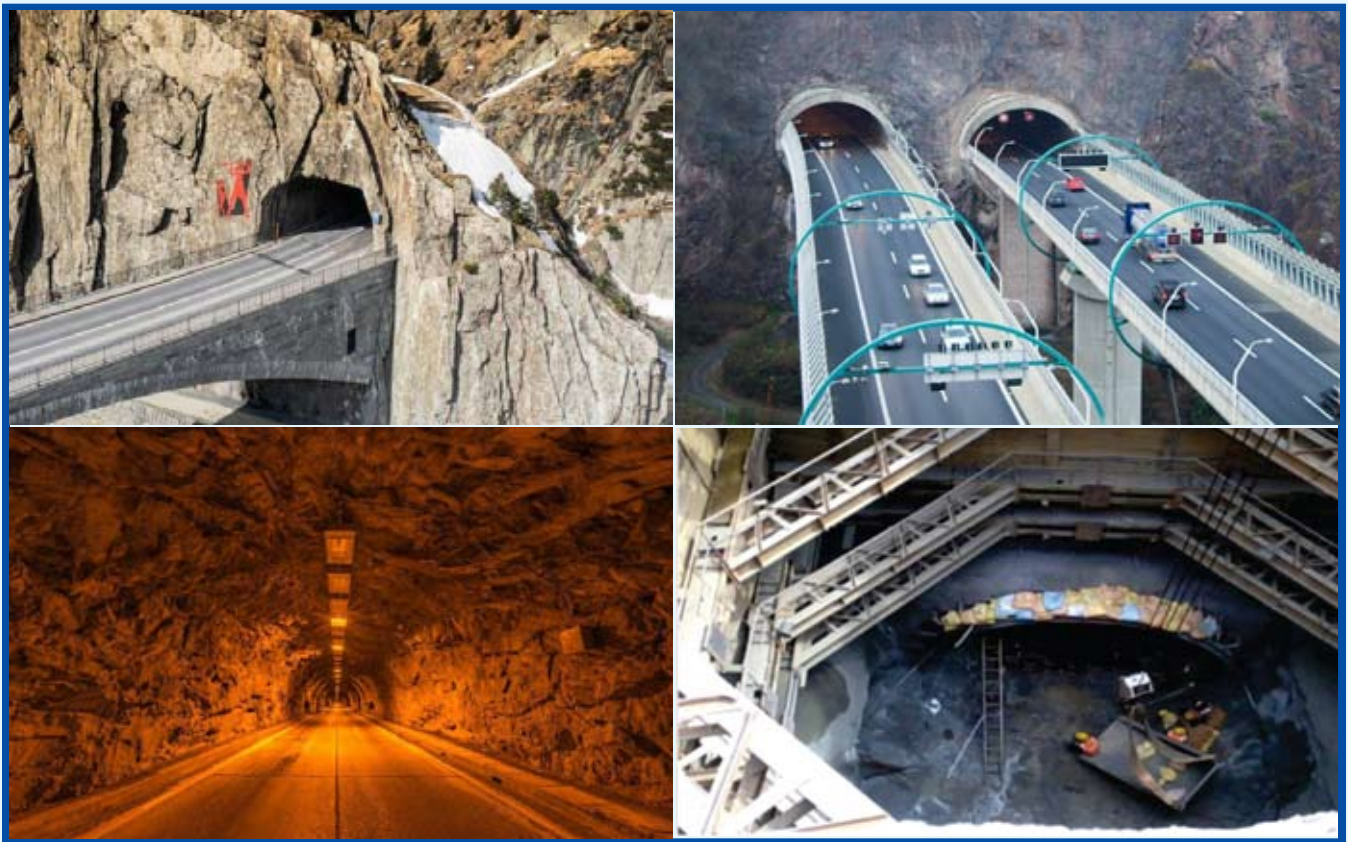


Workshop on
**ROCK MECHANICS AND TUNNELLING
TECHNIQUES**

**14 - 15 September 2023
New Delhi**



Organised by



Indian National Group of International Society
for Rock Mechanics

In association with



Central Board of Irrigation & Power

INTRODUCTION

The study of rock mechanics has assumed considerable importance because of its wide application in civil engineering, more predominantly in water resources, mining engineering and underground structures. For the execution of multipurpose water resource projects located in complicated geological settings, the significance of rock mechanics in the design and construction was realised in late 1950s. Despite tremendous advancement in technology, a full understanding of natural forces and phenomena eludes the design engineer. Since liberalisation of economy has facilitated planning and execution of many exciting and complicated projects. These projects require application of modern principles of rock mechanics, this warrants deliberations and collaboration to facilitate flow of appropriate technology to enable successful implementation of such projects in time-bound and a cost-effective manner, complying to environmental obligations.

Considerable activity in India in the field of rock mechanics is in progress, mainly due to the execution of water resource projects necessitated for irrigation, flood control and hydro power generation, construction of Hilly roads, sub-surface excavations for underground railway and for mining purposes.

International Society for Rock Mechanics and Rock Engineering (India), with its Secretariat at Central Board of Irrigation & Power (CBIP), had the honour of hosting the Workshop on "Rock Mechanics and Tunnelling Techniques" on 14-15 September 2023 at New Delhi

TOPICS

- Status of Rock Mechanics
- Characterisation of Rocks and Rock Masses
- Rock Mass Classification: Application in Engineering Projects
- Presentation of Geological Data
- Measurement of Ground Stress & its use in Rock Engineering
- Design of Tunnels and Rock Support
- Stability Analysis and Rock Slope Design
- Design of Rock Foundations
- Case Studies

OFFICIAL LANGUAGE

English will be the official language of the workshop.

WHO SHOULD ATTEND

The workshop will be of interest to Academicians, Researchers, Scientific fellows, Scientists, Tunnel Designer, construction and project managers, engineers (both field and design office), construction supervisory personnel, construction cost estimators, geotechnical engineers and individuals in the construction industry wanting a better grounding in modern tunnelling techniques and practices, geologists, regulatory bodies, mining industry, Government Departments, Tunnel Building Contractors & Consultants, Suppliers of Products & Services for Tunnelling Construction, Technical and Research Institutes, Universities dealing with Rock Mechanics and Tunnelling, discipline & Associations active in the Rock and Tunnelling World and Funding Agencies.

DATES AND VENUE

The workshop will be held on 14-15 September 2023, CBIP, Malcha Marg, New Delhi.

CALL FOR TECHNICAL ARTICLES & CASE STUDIES/ PAPERS

Case studies on the topics proposed and allied topics are invited. Intending authors may send the full text of their paper/case studies, as per the guidelines given below. The last date for the receipt of full texts of the case studies is 16th August 2023.

The papers/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 20th August 2023. A condition of acceptance of the paper/case studies will be that the author, or one of the authors in case of multiple authors, will attend the Workshop 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 workshop
- 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. 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.

Certificate

The author(s) certify that the paper titled “_____” and submitted for consideration for the Workshop on “Rock Mechanics and Tunnelling Techniques” to be held in New Delhi during 14-15 September 2023, is in original and has not been published or presented at any other forum, in the present form. The Author(s) also hereby assigns to the Publisher, The Central Board of Irrigation and Power, Malcha Marg, Chanakyapuri, New Delhi (India), the copyright to the Contribution named above whereby the Publisher shall have the exclusive right to publish the said Contribution in print/electronic form, wholly or in part, in its other technical journals.

Signature(s)

Place : Date :

The papers/case studies will be reviewed by the Technical Committee as to their suitability for presentation. A condition of acceptance of case studies will be that the author, or one of the authors in case of multiple authors, will attend the Workshop and make the presentation.

The papers/case studies accepted for oral presentation will be notified by **31st August 2023**.

REGISTRATION FEE

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

Members of CBIP/ISRM/TAI	INR 10,000/-
Others	INR 12,000/-
Academic/Research Institutes / Students	INR 5,000/-

In case of 4 Group Registration of or more nominations from an organization, one addl. 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.

The last date for receipt of the registration form is 10 September 2023. **Spot registration facilities will also be available, provided the prior information is received.**

SPONSORSHIP OPPORTUNITY

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

Category	Amount	Benefits
Sponsor	INR 2,00,000.00	<ul style="list-style-type: none">• Complimentary registration of upto five representatives• Distribution of promotion literature among the participants through the registration kit• Table top display of products/services• Company name and logo on Information Bulletin, banners, etc.• Complimentary advertisement in W&E International Journal (coming issue)
Co-Sponsor	INR 1,00,000.00	<ul style="list-style-type: none">• Complimentary registration of upto three representatives• Distribution of promotion literature among the participants through the registration kit• Company name and logo on banners, etc
Supporter	INR 50,000.00	<ul style="list-style-type: none">• Complimentary registration of upto two representatives• Company name and logo on banners, etc

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: CNRBINBBDFS

ADDRESS FOR CORRESPONDENCE

All correspondences relating to the Workshop should be addressed to:

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

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

Contact Persons: Mr. Kamal Kumar (Mobile No 8826434222) / Ms. Meenakshi

Phone : +91-11- 2611 1294/2687 5017, Fax : +91-11-2611 6347

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

Workshop on
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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: CNRBINBDDFS

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:

- The last date for receipt of the registration form is 1st September 2023
- Spot registration facilities will also be available, provided the prior information is received.