

TechXchange 2025-27

(Series of Knowledge Sharing Sessions)

Conference on

Advances in Rock Mechanics for Sustainable Infrastructure & Underground Excavation Projects

Date : 14-15 January 2025 (Tuesday – Wednesday)

Venue: At CBIP, Malcha Marg, Chankyapuri New Delhi



Organized by



New Delhi
ISO 9001:2015

Central Board of Irrigation & Power



ISRM (India)

INTRODUCTION

Given India's expanding focus on infrastructure development and sustainable energy solutions, the Conference on Advances in Rock Mechanics for Sustainable Infrastructure and Underground Excavation Projects holds significant relevance. As India undertakes ambitious projects in transportation, energy, and urban development, understanding the complexities of rock mechanics becomes critical to ensuring safety, sustainability, and cost-effectiveness.

To discuss the Issues related to the subject CBIP in association with ISRM is organizing a Conference on "Advances in Rock Mechanics for Sustainable Infrastructure and Underground Excavation Projects" on 14-15 Jan 2025 (Tuesday – Wednesday) at Conference Hall, CBIP, Malcha Marg, Chanakyapuri, New Delhi

This conference provides a platform for experts and industry leaders to explore advancements in rock mechanics that can support the nation's drive for resilient infrastructure, optimized underground space utilization, and environmentally sound practices."

TOPICS

This Conference is expected to gather policy makers, industry experts, researchers, and practitioners to share insights, best practices, and innovative solutions on the subject. The Conference shall cover, but not limited to, the following topics:

- Innovations in Rock Mechanics and Excavation Technologies
- Geotechnical Challenges in Urban Underground Projects
- Role of Rock Mechanics in Sustainable Tunneling and Infrastructure
- Ground Stabilization Techniques for Safe Excavations
- Advancements in Numerical Modeling and Simulation for Rock Engineering
- Impact of Rock Mechanics on Renewable Energy Projects (e.g., Hydropower, Geothermal)
- Environmental Impact Assessment and Mitigation in Excavation Projects
- Risk Management and Safety Measures in Underground Construction
- Application of AI and Big Data in Rock Mechanics and Excavation
- Case Studies: Challenges and Successes in Indian Underground Infrastructure Projects

As takeaways from the above Conference the Participants are expected to leave with actionable ideas and best practices tailored to India's unique geotechnical and infrastructural context, supporting the country's growth in sustainable and resilient infrastructure development.

CALL FOR PAPERS

The experts, researchers, engineers, and industry professionals are invited to contribute papers/ presentations on the topics and share their knowledge, experiences, and groundbreaking research to enrich the discourse and drive advancements in this field.

WHO SHOULD ATTEND

Geotechnical Engineers and Rock Mechanics Specialists; Experts in rock mechanics and soil engineering; Civil and Structural Engineers; Engineers involved in planning, designing, and executing infrastructure projects; Project Managers and Infrastructure Developers; Professionals from metro systems, highways, railways, hydropower plants, and renewable energy facilities that involve complex underground work; Environmental Engineers and Sustainability Specialists; Individuals focused on environmental impact assessments, sustainable construction practices, and mitigation strategies for excavation-related projects; Government and Regulatory Officials; Representatives from government agencies and regulatory bodies involved in infrastructure policy, safety regulations, and environmental compliance; Mining and Tunneling Professionals; Experts and operators in mining, tunneling, and underground construction sectors who work on projects requiring advanced excavation methods and risk management; Academics, Researchers, and Students in Geotechnical Engineering; Professors, researchers, and students; Construction and Heavy Equipment Manufacturers Companies that design and supply construction equipment and tunneling machinery, interested in learning about industry needs and new trends; Consulting Firms and Technical Service Providers; Investors and Financial Analysts in Infrastructure Projects. This diverse audience will benefit from the expertise shared, networking opportunities, and insights into the latest developments in sustainable and resilient underground infrastructure.

DATES & VENUE

The date for the event is 14 - 15 Jan. 2025 (Tuesday - Wednesday) at CBIP Hall, (1st Floor), CBIP Building, Malcha Marg, Chanakyapuri, New Delhi

OFFICIAL LANGUAGE

The official language for the event is English.

REGISTRATION FEE*

- The registration fee for participation is Rs.12,000/- per participant.
- There would be discounted fee of Rs.10,000/- per participant, applicable for Members of CBIP.
- 50% discount in the fee will be applicable for Young Participants (upto 35 years of age)
- The Speakers will be exempted from Payment of Registration Fee.

*GST 18% will be charged extra on Registration fee.

The registration fee includes registration kit, working lunch, tea/ coffee during the event only. The participants will have to make their own arrangement for boarding and lodging, transport, etc. Registration fee once paid will not be refunded. Spot registration facility will also be available provided prior Information is received.



PAYMENTS

The payment related to the event is to be remitted either through cheque in favour of ISRM or through bank transfer to the following account:

Name of Bank : Canara Bank Address : Delhi Diplomatic Enclave, 7/48, Malcha Marg, Chanakyapuri, New Delhi 21
Account No. : 0157101031512, MICR Code No. 110015007 Account Holder's Name THE COMMITTEE OF THE ISRM
IFSC Code CNRB0000157, Swift Code CNRBINBDBFS

Bank charges if any, must be borne by the participants and should not be deducted from the amount remitted.

Once the payment is done, please share the screen short along with registration form.

OPPORTUNITIES FOR SPONSORSHIP

Scope exists for organizations to be the Sponsor on lump sum payment with following attendant benefits:

Platinum Sponsor : Rs. 3,00,000/-	Gold Sponsor : Rs. 2,00,000/-	Silver sponsor : Rs. 1,00,000/-
<ul style="list-style-type: none">• 10 delegate passes for participation• Company logo on main banner• Announcement - Thanking sponsor• Circulation of Company Literature• Speaking Opportunity• Table Space to display• Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event• Special Invite to the head of organization.	<ul style="list-style-type: none">• 05 delegate passes for participation• Company logo on main banner• Announcement -Thanking sponsor• Circulation of Company Literature• Speaking Opportunity• Table Space to display• Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event	<ul style="list-style-type: none">• 03 delegate passes for participation• Company logo on main Banner• Announcement - Thanking sponsor• Circulation of Company Literature

OPPORTUNITIES FOR TABLE TOP DISPLAY

Limited Slots are available @ Rs. 50,000/- Plus GST, for display of products, services & Innovations.

SECRETARIAT

All correspondence relating to the event should be addressed to:

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