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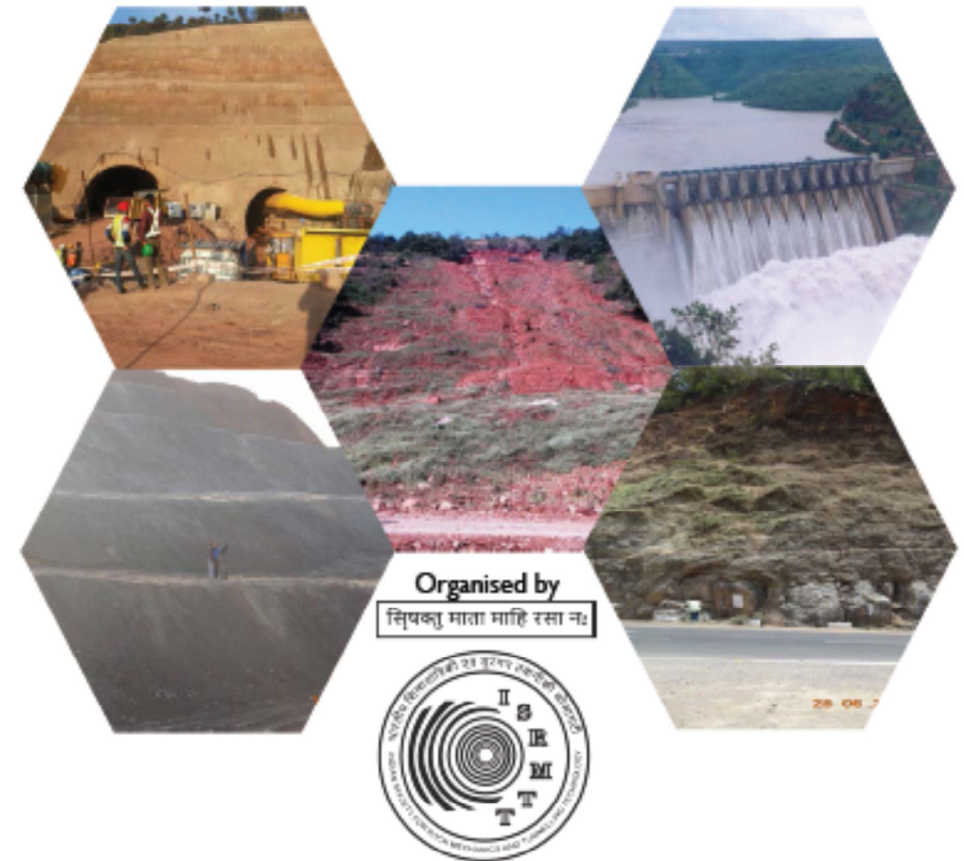
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INDOROCK 2023

9th Indian Rock Conference

Date: 16-18 November 2023

Venue: Auditorium, Central Soil and Materials Research Station (CSMRS), New Delhi



INDIAN SOCIETY FOR ROCK MECHANICS
AND TUNNELLING TECHNOLOGY

IN ASSOCIATION WITH

CENTRAL SOIL AND MATERIALS RESEARCH STATION

CONFERENCE THEMES

1. Emerging techniques for rock and rock mass characterisation
2. Use of underground space for urban infrastructure development and highway/railway tunnels
3. Tunnelling through weak and fragile rock masses
4. Use of advanced excavation techniques
5. Oil/gas storage and nuclear waste disposal caverns
6. Instrumentation and numerical modelling
7. Case histories of underground structures
8. Landslide hazards and mitigation measures
9. Blasting techniques for safe and economic excavations
10. Mining engineering – open cast and underground excavations
11. Rock support and reinforcing methods – state of the art technologies
12. Construction methodologies – NMT and NATM philosophy
13. Pumped storage projects

ABSTRACT SUBMISSION

Abstract of maximum 500 words for technical papers on the themes are invited. Abstracts should be crisp highlighting the problem, process involved and the remedies/outcome of the study. Author's names and affiliations with email of corresponding author must be provided. *Selective papers can be considered for publication in Journal of Rock Mechanics and Tunnelling Technology (JRMTT)*. **One of the authors must register as delegate.** The Abstracts can be uploaded online at conference website <http://indorock.in>.

REGISTRATION FEE

| | |
|--|-----------|
| ISRMTT Members (Life Members and Institutional Members) | INR 8000 |
| Authors of Papers | INR 8000 |
| Non ISRMTT Members | INR 10000 |
| Students | INR 4000 |

SPONSORSHIP

There is a range of sponsorship levels providing various chances for campaign to a targeted and highly significant group of rock mechanics professionals at INDOROCK-2023.

| | |
|-----------------------------------|---|
| Platinum Sponsorship INR 3,00,000 | 8 Delegates, one page advertisement, logo on banner & proceedings |
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INTRODUCTION

Rock mechanics has been a part of human existence since the times unknown. Caverns in hilly rocks and tunnels were excavated for religious and strategic purposes. With the rapid urbanization and requirements for infrastructure, the underground spaces assumed a vital importance. Further, construction of roads and rail infrastructure through mountainous regions including tunnels for improving connectivity and reducing travel time, there was a dire need to understand the theories and principles of science to understand the highly variable natural material, the rock and rock masses to ensure safe and economic design. With ever growing challenges of executing surface and sub-surface structures, deeper understanding of behaviour of rock and soil masses has become indispensable. Principles of rock mechanics lay down the foundations of such planning, design and troubleshooting throughout the lifespan of a facility. Rock masses exhibit extremely complex behaviour due to complex geological and geotectonic processes involved in bringing to their present form. With the advent of modern technologies in computation, visualization and field investigations, the knowledge is progressing rapidly. It is necessary that the new information generated and experiences gained are disseminated far and wide for handling the challenges in implementation of engineering structures. Safety and long-term durability of any facility created at a significant cost to the society and utilizing nations resources has to be ensured right from the conceptualization stage. World has been endowed with a wide variety of geo tectonic set-ups and the complexities encountered in Himalayan and Peninsular Indian rock formations provide a rich experience base for use elsewhere in the world and vice-versa. Leveraging new technologies in the field of testing and investigations is of enormous help for simulation of behaviour of rocks under varied loading conditions. Rock mechanics community has to imbibe such techniques from multi-disciplinary fields and implement them to their fullest advantage. Geological surprises have been the bug bear of timely and economic construction in the field of rock engineering. Minimization of such surprises is a task that needs to be collectively handled by the rock engineers, geologists and scientists.

IndoRock has been a flagship event eagerly expected by the rock mechanics professionals in India and abroad as it provides a dedicated forum for exchange of ideas and experiences across the whole spectrum of rock engineering. The forum provides Researchers and Practitioners, a unique forum to interact and improve their respective knowledge base. The event is also a great opportunity for the consultants, manufacturers and construction agencies to showcase their capabilities and network amongst the who's who of the rock mechanics domain.

OBJECTIVES

The main objective of conference is to provide a platform to bring together high level delegation from all over India and other countries for exchanging information and ideas as well as presenting new development on the themes of IndoRock-2023.

- To provide delegates with an update on current progress, activities and opportunities.
- To provide information and gather views on good practices in underground construction.
- To provide an opportunity to share experiences and to discuss issues and challenges in the planning and delivery of projects in hydropower, mining and infrastructure.

PAYMENT OF REGISTRATION & SPONSORSHIP FEE

- Registration Fee can be Submitted by Demand Draft/ Cheque in favour of 'ISRMTT'
- Fee can be transferred online by RTGS/NEFT, the bank account details are as under:
 1. Account Holder: Indian Society for Rock Mechanics and Tunnelling Technology
 2. Name of the Bank: State Bank of India, Old JNU Campus, New Delhi
 3. Account No.: 10634251177
 4. IFSC: SBIN0001624
 5. PAN: AAAAI0075L

IMPORTANT DATES

Abstract Submission - 15 July 2023
Acceptance of Abstracts - 25 July 2023

Full Paper Submission - 30 September 2023
Full Paper Acceptance - 10 October 2023