



GMANZ 2023

NATIONAL SEMINAR

**GREEN MINING
AND
NET-ZERO
(GMANZ 2023)**

Saturday, 23rd September 2023

Venue:

TAJ CITY CENTRE NEW TOWN, KOLKATA

Action Area II D, Plot no. 11/5, New Town,
Kolkata 700 157 West Bengal



Organised by:

THE MINING, GEOLOGICAL & METALLURGICAL INSTITUTE OF INDIA

GN - 38/4, GN Block, Sector-V, Bidhannagar, Kolkata 700 091 West Bengal

Website <https://www.mgmiindia.in>

PREAMBLE

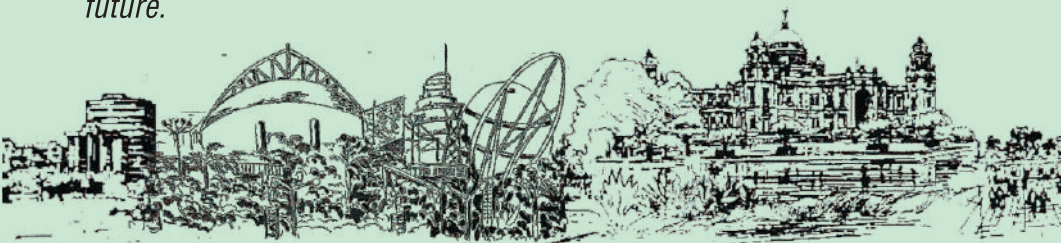
The Mining, Geological, and Metallurgical Institute of India (MGMI) holds the esteemed distinction of being the oldest professional society of its kind in Asia. Established on 16th January 1906, the primary objective of this Institute is to foster the comprehensive study of mineral occurrences in India, promote the cause of mineral industry and effectively disseminate information to drive economic development in the mineral industries across the country. With over 2100 members, MGMI represents individuals from diverse fields within the mineral-based industries, including technocrat planners and policy makers in both public and private sectors operating at state and central levels. The Institute's headquarters and one of its branches are located in Kolkata, with an additional 18 branches spanning the entire country. MGMI organizes international and national seminars, along with the biennial Asian Mining Congress and Exhibitions, providing a pivotal platform for esteemed executives, accomplished technocrats, visionary planners, and influential policy makers. These individuals collectively contribute significantly to the advancement and development of the industry.

SEMINAR BACKGROUND

"Green Mining and Net-Zero "

The Seminar on "Green Mining and Net-Zero " aims to shed light on the crucial role of hydrogen as a clean and sustainable energy source for decarbonization efforts as well as sustainable mining. With the pressing need to transition to low-carbon alternatives, hydrogen emerges as a promising solution due to its versatility, zero-emission properties, and potential to replace fossil fuels in various sectors. This seminar will delve into the fundamentals of hydrogen-based energy, its applications, challenges, production opportunities and the transformative impact it can have on achieving decarbonization goals. It will also touch on sustainability of mining methods using advanced technologies.

Given the aforementioned background, it is imperative to engage in more indepth discussions regarding the Exploring the Significance of the above topics. Such discussions are essential in order to deepen our understanding, foster knowledge exchange, and pave the way for effective strategies and solutions that can accelerate the transition towards a better future.



SPEAKERS & TOPICS

The distinguished speakers have graciously agreed to deliver expert lectures on the following themes:

1. **Prof. Ravi B. Grover**, Pad ma Sh ri, Member, Atomic Energy Commission and Founding Vice Chancellor, Homi Bhabha National Institute - **Production of low-carbon Hydrogen using nuclear energy**
2. **Dr. Pradip Kumar Banerjee**, Outstanding Scientist, CSIR-CIMFR, Digwadih Campus, Dhanbad - **Hydrogen and Methanol Production from Coal**
3. **Dr. Arnab Dutta**, Associate Professor, Department of Chemistry, IIT Bombay, Powai, Mumbai - **Renewable Energy Driven Hydrogen Production from water**
4. **Shri Ranjan Kumar Sinha**, Chief Procurement Officer & Chief Group Shipping, Tata Steel - **Maritime Sustainability towards Net-zero emission**
5. **Prof Ram Madhab Bhattacharya**, Professor and Dean, International Relations and Alumni Affairs, IIT-ISM, Dhanbad – **Challenges in Sustainable Underground Coal Mining Technology & Solutions**
6. **Sri Anil Kr Rana**, Advisor, Mining & Former Director (Tech/P&D) CMPDI – **Green Roadmap for Future Coal Mining and Mine Closure**

PARTICIPATION

The seminar seeks active participation from professional managers, planners, policy makers, equipment manufacturers, scientists, entrepreneurs, and academicians to engage in insightful discussions surrounding the aforementioned subjects. Esteemed experts from prominent mineral-producing, steel, and power sectors in India are invited to deliver presentations and share their valuable insights during the national seminar. This collaborative platform aims to foster knowledge exchange, facilitate meaningful interactions, and drive forward the discourse on these critical topics.



Proposed Programme for the Seminar

Day & Date: Saturday, 23rd September 2023

09.00 hrs.	Registration
10.00 -10.45 hrs	Inaugural Session
10.45 - 11.00 hrs	Tea/Coffee Break
11.00 - 14.00 hrs	Technical Session
14.00 - 15.30 hrs	Lunch
Post Seminar Event:	
16.00hrs. onwards	117 th Annual General Meeting

Registration & Delegation Fees

Indian Delegate	Rs. 8,000/-
Overseas Delegate	US\$ 400
Faculty from Academic/Research Institutions	Rs. 4,000/-
Research Scholars and Students	Rs. 2,000/-

Sponsorship & Promotional Opportunities:

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	\$ 2,000	Advertisement	
Lunch Host	Rs.4,00,000/-	One page coloured	8
	\$ 4,800	Advertisement	

A standard 18% Goods and Services Tax (GST) will be applicable, as per the Government of India rules, to all sponsorship, advertisement, and delegate fees.

Sponsors will receive proper acknowledgment during the seminar and will have the opportunity to distribute their promotional materials. The program will be conducted on a non-residential basis.

Advertisement Tariff (Colour)

Back Cover Page	INR 1,00,000 / US \$ 2000
Inside Front Cover Page	INR 75,000 / US \$ 1500
Special Page	INR 60,000 / US \$ 1200
Inside Back Page	INR 50,000 / US \$ 1000
Full Page	INR 20,000 / US \$ 400

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All payments are to be made through Demand Drafts drawn in favour of **"THE MINING, GEOLOGICAL & METALLURGICAL INSTITUTE OF INDIA"** payable at Kolkata.

Bank Details:

Name of the Bank: State Bank of India

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PAN No: AAATT7390J

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SCAN & PAY



KOLKATA: THE VENUE

Kolkata, a thriving modern metropolis with a population exceeding 10 million, serves as the gateway to the Eastern and Northeastern states of India. The city boasts excellent connectivity through international and domestic airlines, as well as an extensive rail network that links it to the rest of the country. Recognized as the cultural capital of India, Kolkata has made significant contributions in the fields of art, literature, and music. In September, Kolkata experiences a pleasant climate, with daytime temperatures ranging from 24 to 28°C and cooler nights averaging around 20 to 22°C.

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Convenor, Shri Rajiw Lochan, Past Honorary Secretary, MGMI, and
Former Advisor & General Manager (Geology/CED/CBM), CMPDI

Address for communication:

The Mining, Geological & Metallurgical Institute of India

GN – 38/4, Salt Lake, Sector – V, Kolkata – 700 091, INDIA

Phone : +91 33 23573482 / 23573987

E Mail – office@mgmiindia.in / mgmisecretary@gmail.com

Website – <https://www.mgmiindia.in>

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