

TWO DAYS' NATIONAL WORKSHOP

ON

**Recent Advances in Underground Metal Mining
(RAUMM-24)**

23-24 December 2024

Organized by



**CSIR-CENTRAL INSTITUTE OF MINING AND
FUEL RESEARCH**
Nagpur Research Centre

Sponsored by



Manganese Ore India Ltd, Nagpur (MOIL)

About the Workshop

Economical and faster extraction of valuable minerals is the need of the hour for mining and allied industries. In India, major minerals such as zinc, copper, manganese, uranium, gold, etc. are predominantly extracted through various underground metal mining methods. Modernization of underground metal mines with full mechanization is highly required for India's progress and growth aligned with the vision of *Viksit Bharat 2047* and to become self-reliant (*Atmanirbhar Bharat 2047*). Adopting scientific, sustainable, and effective mining practices is imperative to ensure optimal extraction and utilization of mineral resources. Achieving these objectives necessitates active collaboration and partnerships among industry stakeholders, researchers, academia, policymakers, and other relevant entities. The Mining Technology Research Group at CSIR-CIMFR, Nagpur Research Centre is earnestly involved in developing emerging technologies for underground metal mining in collaboration with various industries in India.

In light of this commitment, the CSIR-CIMFR, Nagpur Research Centre in association with Manganese Ore India Ltd. is organizing a national workshop **Recent Advances in Underground Metal Mining (RAUMM-24)** scheduled for December 2024. The workshop will cover a range of themes aimed at advancing discussions on modern technologies and practices in underground metal mining. The faculty comprises of eminent scientists from CSIR-CIMFR and experienced engineers from the industry.

Workshop Themes

- Application of numerical modelling in underground metal mining design
- Empirical approach for support and stope design
- Rock mechanics instrumentation and monitoring
- Transition from open pit to underground mining
- Underground metal mining methods in Indian scenario - Geotechniques and safety
- Cemented backfilling techniques for underground metal mines
- Blast design for underground stope extraction
- Blasthole Open Stopping Method – Design and implementation
- Advanced mine planning
- Geotechnical Advancements in metal mining
- Mine automation and modern mine machinery

Sponsorship & Advertisements

Co-sponsor	50,000+9,000(GST)	4 Delegates free + Full page Adv.
Advertisements in Souvenir/Proceedings	Front back & last page @ 10,000+1800(GST)	Full page @ 5000+900(GST) Half page @ 3000+540(GST)

Registration Fee

The course fee per participant would be as per the followings (in Rs.):

Industry, Academic & Research Institute	8,000 +1440 (GST)
Research Scholars/ Students	2,000 + 360 (GST)

The fee shall be transmitted through **RTGS/NEFT** to the following bank details:

Name of the account holder	Central Institute of Mining & Fuel Research
Bank and Branch name	State Bank of India, Hirapur, Dhanbad
Bank Account No.	30256736794
Bank IFSC Code	SBIN0001670
PAN No. AAATC2716R	GST No. 20AAATC2716R1ZT

Venue

MOIL Conference Hall, MOIL Bhawan, 1A, Katol Road, Nagpur-440013, Maharashtra

Schedule

Day	Time	Theme/ Event
Day 1 23 Dec 2024 Monday	09.30 am – 10.00 am	Registration
	10.00 am – 11.00 am	Inaugural session
	11.00 am – 11.20 am	High Tea
	11.30 am – 12.30 pm	Lecture 1
	12.30 pm – 01.30 pm	Lecture 2
	01.30 pm – 02.30 pm	Lunch
	02.30 pm – 03.30 pm	Lecture 3
	03.30 pm – 03.45pm	Tea
	03.45pm – 04.45pm	Lecture 4
	04.45pm – 05.45pm	Lecture 5
Day 2 24 Dec 2024 Tuesday	10.00 am – 11.00 am	Lecture 6
	11.00 am – 12.00 pm	Lecture 7
	12.00 pm – 12.15 pm	Tea
	12.15 pm – 01.15 pm	Lecture 8
	01.15 pm – 02.30 pm	Lunch
	02.30 pm – 03.30 pm	Lecture 9
	03.30 pm – 04.30 pm	Lecture 10
	04.30 pm – 04.45 pm	High Tea
04.45 pm – 05.45 pm	Valedictory session with thoughts for future	

Contacts and Correspondence

PATRONS

Prof. Arvind Kumar Mishra, Director, CSIR-CIMFR, Dhanbad

Shri Ajit Kumar Saxena, Chairman-cum-Managing Director, MOIL, Nagpur

ADVISORS

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Shri. Mirza Mohammad Abdulla, Director (Production and Planning), MOIL, Nagpur

Dr. J. K. Pandey, Coordinator, Project Planning and Industrial Interface, CSIR-CIMFR, Dhanbad

WORKSHOP CO-ORDINATOR

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