



COAL INDIA LIMITED
A Government of India Undertaking
A Maharatna Company



VENUE:
CIL AUDITORIUM
Coal Bhawan,
Newtown,
Kolkata.

INTERNATIONAL SEMINAR ON UNDERGROUND MINING: AUGMENTATION, NEW-INITIATIVES & GROUND BREAKINGS (UMANG 2023)

DECEMBER 23, 2023 (SATURDAY)

**Organized By IMMA Kolkata Chapter
(Supported By COAL INDIA LIMITED)**

INDIAN MINE MANAGERS' ASSOCIATION

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ABOUT IMMA

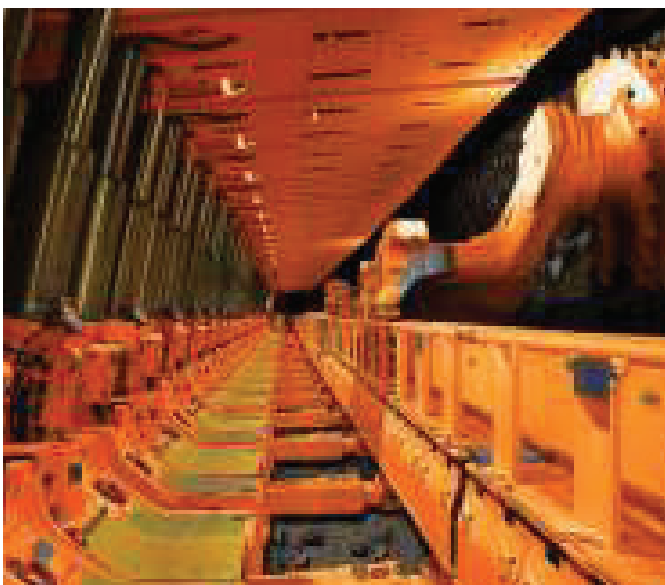
Indian Mine Managers' Association (IMMA) was formed as a professional & functionary body with active support of stalwarts of mining industry in 1923 to safeguard the interests of Mine Managers. With its National Headquarters at Dhanbad (Jharkhand, India), IMMA has a broad base of nine branches spread over the country. IMMA is working closely with mining industry, Government, DGMS, CIMFR, NIRM, Academia and students to further the cause of professional Managers engaged in mining. Over the years, its 1600+ members have contributed immensely for the cause of Indian Mining Engineers in general and Mine Managers in particular.

COAL INDIA LIMITED – AN OVERVIEW

In India, coal continues to dominate the energy scenario, and will do so in the foreseeable future. Coal India Limited (CIL), a Maharatna PSU under Ministry of Coal (MOC) is country's largest coal producer and supplier virtually empowers the power sector of the Nation. Around 84% of Coal India's entire production is catered to coal fired power plants of the country and thus, CIL stands at the forefront of India's energy security. India is on the path of transforming from an energy economy driven by fossil fuels to one that is driven by renewables. Although renewable energy sources have started contributing to India's energy demand, coal remains the unrivalled leader in our country's energy landscape.

Coal India operates 322 mines (UG 138 + OC 171 + Mixed 13) across eight States of India to serve the requirements of various industries. CIL has breached the 700 Mill Te (MT) coal production mark producing 703.2 MT of coal during 2022-23, recording a robust growth of 13% over last year (622.6 MT). Coal India's total coal off-take soared to an impressive 694.7 MT in FY23. Supplies to power sector rose to 586.6 MT in 2022-23 achieving 103.8% of the target.

Safety of mines, miners and machinery is viewed holistically as a top priority in CIL and there has been a significant improvement in CIL's safety performance and fatalities over the years.



In the prevailing circumstances with strict environmental & social norms, land constraints and coal quality issues, the country needs to look forward to promote and resort to UG mining. UG mining is eco-friendly, environment friendly and produces good quality coal. Coal India has recently chalked out a "UG Vision Plan" to boost UG production to more than 100 MT by FY 2028 in a phased manner.

As part of CIL's focused efforts on underground mining (UG), 30 discontinued mines have been identified for operationalization which hold an estimated mineable reserve of approximately 600 MT. To enhance the underground mechanization, Continuous Miners, Highwall & PSLW are being commissioned in phased manner for deployment in mines of CIL.

INTERNATIONAL SEMINAR OVERVIEW – UMANG 2023

An international seminar focused on **Underground Mining: Augmentation, New-initiatives & Groundbreakings (UMANG 2023)** is being jointly organized by IMMA & CIL at Coal Bhawan, New Town, Kolkata on 23rd Dec, 2023 to commemorate the centenary year of the formation of IMMA.

In the present scenario, there are myriad challenges for growth of mineral industry especially coal sector belowground. There is an urgent need to develop right eco-system involving policy decisions, indigenous manufacturing, in-house expertise, creation of technically skilled workforce etc. In addition to above, India needs expertise in state-of-the art technologies. Indigenization of equipment shall help in promoting UG mechanization through introduction of Continuous Miners, Highwalls, PSLW etc. It is in this backdrop, IMMA has taken initiative to organize this international seminar-UMANG' 2023 jointly with Coal India Limited.

THEMES

MASS PRODUCTION TECHNOLOGIES New Initiatives and Groundbreaking case studies.	SAFETY AND ENVIRONMENT MANAGEMENT Strata Control, Mine Ventilation, Chilling Plants.	Exploitation of coal below to-be-protected sub-surface (e.g., below goaved out workings – waterlogged, fire prone developed workings etc) & surface properties (e.g., water bodies, OC dump, dwellings and other surface infrastructure etc)	Advent of Commercial Mining, Mine Developers & Operators, Revenue Sharing models in coal sectors.
Advanced global technologies - Challenges & Prospects with case studies from International experts from Australia, South Africa, Poland etc.	Emerging Blasting technologies for Underground & Opencast mines.	Commitment towards Environment restoration, Land and R&R Challenges, EC & FC issues.	INNOVATION & DIGITAL MINING SOLUTIONS R&D adoptability in industry and automation etc. with special emphasis on UG mining.

PROGRAMME - UMANG 2023

DEC 22, 2023 (FRI) –

Registration starts from 5:00 PM onwards & Welcome dinner

DEC 23, 2023 (SAT)

Inaugural Session	9.30am – 10:00am	Technical Session III	14:00pm – 15:30pm
Tea/Coffee Break	10.00am – 10:15am	Panel Discussion	15:45pm – 17:00pm
Technical Session I	10:15am – 11:45am	Valedictory Session	17:00pm – 17:30pm
Technical Session II	11:45am – 13:15pm	High Tea	17:30pm
Lunch	13:15pm - 14.00pm		

DELEGATE / REGISTRATION FEE

Indian Delegate	INR 8,000
Overseas Delegate	US \$ 300
Academic/Research Institutions	INR 5,000
Students & Research Scholars	INR 3,000 (US \$ 100)



Please register yourself before Dec. 05, 2023. The payment should be made by DD / Cheque in favour of "Indian Mine Managers' Association" payable at Dhanbad or direct transfer of money to the bank. Bank details:

- PAN: AAAAI 1769F
- A/c No: 916010063587844, Axis Bank, Saraidhela Branch, Dhanbad, IFS Code UTIB0002853
- A/c No: 10230776236, SBI, ISM Campus Branch, Dhanbad, IFS Code SBIN0001641

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CALL FOR PAPERS

The technical papers may kindly be sent by mail to vks146@gmail.com or imma1923@gmail.com or by post copy to the IMMA office by 05 December 2023.

WHO SHOULD ATTEND ?

Planners scientists and engineers from Mining industry , R & D organizations, entrepreneurs, Policy makers, Mine developer and operators, Machine Manufacturers and faculties from academic institutions.

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