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The Institution of Engineers (India)

“98 Years of Relentless Journey towards
Engineering Advancement for Nation-building”

TAEMM 2018

All India Seminar

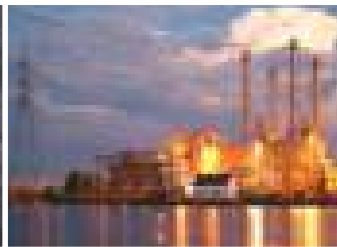
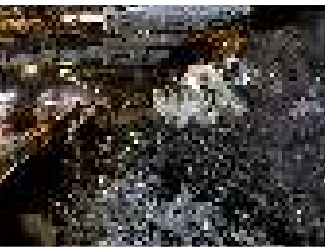
on

**TECHNOLOGICAL ADVANCEMENTS AND
EMERGING MINING METHODS [TAEMM 2018]**

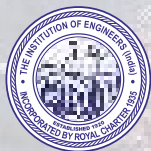
August 24 - 25, 2018

CSIR-Central Institute of Mining and Fuel Research

“Providing R&D back-ups for 73 years with excellence”



Organized by



THE INSTITUTION OF ENGINEERS (INDIA)
Dhanbad Local Centre
Under the Aegis of Mining Engineering Division, IEI

In association with



CSIR-CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH
(Council of Scientific & Industrial Research)
Barwa Road, Dhanbad – 826015 (Jharkhand)

Venue: CSIR-CIMFR Auditorium, Barwa Road, Dhanbad

Technological Advancements and Emerging Mining Methods

Introduction

The need of the hour for the mining and allied industries is to achieve optimal extraction and utilisation of India's mineral resources through scientific, sustainable, productive and 'effective' mining practices keeping in pace with technological advancement and emerging methods. Accordingly, mining companies must determine their focus, develop strategies and align their systems and processes with PPP bottomline i.e. Planet, People and Profit. This requires collaboration and partnership among the industries on one hand and researchers, academia, policy makers and other stakeholders on the other hand.

The competitive landscape associated with the mining industry, along with the ever increasing need to venture into deeper horizons, calls for ensuring the economic gains and technological viability of mining operations which are presently more important than ever.

To remain competitive, technological advancements & innovations through proactive research and development (R&D) to improve the capability, efficiency, effectiveness and reliability of mining systems will be the cornerstones for mining companies.

Keeping in view of the above, the IEI, Dhanbad Local Centre in active association with CSIR-CIMFR, Dhanbad is organising a national seminar on "**Technological Advancements and Emerging Mining Methods [TAEMM 2018]**" during 24 - 25 August, 2018.

Broad Themes of Seminar

1. Modern and emerging exploration techniques
2. Information technology enabled services (ITES) in mining
3. Emerging mining methods for underground and opencast mines
4. Emerging mining machineries for safety, security and productivity improvement
5. Recent developments in explosives and blasting techniques
6. Non-conventional mining methods
7. Ocean mining: status, policies, possibilities, methods etc.
8. Design and ground control issues for mining at deeper horizons
9. Recent advancement in manufacturing, testing and usage of safety equipment
10. Recent advancements in mineral processing
11. Coal quality, beneficiation, coke making, coal-to-liquid etc.
12. Safety, risk assessment and related management issues for effective mining systems
13. Technological advancements in allied industries
14. Mining environment : policies, issues and management

The Institution of Engineers (India)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 121 Centres located across the country. The Institution has established R&D Centres at various locations in the country and also provides grant-in-aid to its members to conduct research and development on engineering subjects.

CSIR-Central Institute of Mining and Fuel Research

CSIR-Central Institute of Mining and Fuel Research (CSIR-CIMFR), a constituent laboratory under the aegis of Council of Scientific and Industrial Research (CSIR), New Delhi, strives to provide R&D back-ups for the entire coal-energy chain encompassing exploration, mining and utilization i.e. "Mine to Market". CSIR-CIMFR is mandated to innovate safe and economically viable technologies, to make the best use of available knowledgebase and to transfer know-how in line with National Missions.



CSIR-CIMFR also attempts to develop mineral based industries to reach the targeted production for country's growth and energy security. This institute has been assigned as a third-party evaluator for quality-assurance of thermal coal by the Ministry of Coal & Ministry of Power, Govt. of India. Since inception, this institute is an important test-house to facilitate safety in mines by Ministry of Labour and Employment. It is located in the town of Dhanbad, known as Coal Capital of India, in Jharkhand state.

Venue & Date

CSIR-CIMFR Auditorium, Barwa Road, Dhanbad on 24 – 25 August, 2018.

Call for Paper

Authors are requested to submit their abstract in English language to the convener by 15th July 2018. Final list of shortlisted papers will be intimated to the respective authors. They will then send the hardcopy and softcopy of the full paper of about 10-pages length (inclusive of texts, maps, figures & tables) in MS-WORD, Times New Roman and font size 10 on or before 31st July, 2018 through post to the convener or by email to taemm2018@gmail.com. The papers to be submitted should be of original work and not published anywhere. The papers selected for publication in the conference would be published in the proceeding volume with ISBN.

Registration

Corporate Bodies, Policy Makers, Industries, R&D Organisations, Academic Institutions, Research Scholars and Students are requested to register for the TAEMM 2018 by July 31, 2018. The corresponding registration fees for delegates are as follows:-

- Rs. 7,000/- per delegate from **Corporate Bodies/Industries**
- Rs. 5,000/- per delegate from **R&D Organisations/Academic Institutions**
- Rs.3,000/- per delegate from **IEI Members**
- Rs.2,000/- per delegate from **Research Scholars and Students**

The registration fees include conference kits, proceeding volume, lunch etc. Arrangements for accommodation may be made separately on payment basis for the delegates. The registration form and details can be downloaded from homepage of the CSIR-CIMFR website: www.cimfr.nic.in.

Organizational Sponsorship

The corporate bodies, Industries, Research and Academic Institutions are invited to sponsor the event with the tariff as given below:

Platinum Sponsorship

₹ 2,00,000/-
(includes 5 delegates free)

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₹ 1,50,000/-
(includes 3 delegates free)

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₹ 1,00,000/-
(includes 2 delegates free)

Bronze Sponsorship

₹ 75,000/-
(includes 1 delegates free)

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Inside Full Page Colour	:	₹ 15,000/-
Inside Half Page Colour	:	₹ 10,000/-

Mode of Remittance

Sponsorship, Advertisement and Registration Fees may be remitted by A/C Payee Demand Draft drawn in favour of "The Institution of Engineers (India), Dhanbad Local Centre" payable at Dhanbad or through RTGS/NEFT, Account No. 37723744865, payable at State Bank of India, Hirapur Branch, Dhanbad- 826001 (IFSC Code: SBIN0001670). **GST** at the prevailing rate and bank charges are in addition to the above mentioned charges.

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