



8th Annual Conference on

MINING TECHNOLOGY IN INDIA

Needs and Requirements, Best Practices and New Technologies

March 12-13, 2019, Shangri-La's The Eros, New Delhi

Organisers:

POWERLINE

Indian
Infrastructure

Co-sponsor:

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MINING TECHNOLOGY IN INDIA

The mission of this conference is to focus on:

- ❖ Current state of technology deployment
- ❖ Emerging needs and requirements of the Indian mining sector
- ❖ Recent global advances and best practices
- ❖ Potential solutions for enhancing efficiency and productivity of domestic mining operations

Target Audience

The conference is targeted at top- and middle-level managers from:

- Coal producing/mining companies
- Producers/miners of non-metallic minerals
- Power producers
- Crushing and grinding equipment manufacturers
- Equipment leasing and finance companies
- Inspection agencies
- Iron-ore producing/mining companies
- Mineral development corporations
- Steel manufacturers
- Policymakers and regulators
- Mining engineers and geologists
- Other technology providers
- Other metallic-ore producers
- Drilling and blasting equipment manufacturers
- Excavation and loading equipment manufacturers
- Modelling solution providers
- Safety solution providers
- Pump manufacturers, etc.

Previous Participants

The organisations that have participated in our previous conferences on "Mining Technology in India" include ABB, ACB, ACC, Adani Mining, Aditya Birla, AECOM, Aggreko, APMDC, Andritz, Ashok Leyland, Atlas Copco, Australian Trade Commission, Balasore Alloys, BASF, BEML, Bentley Systems, Bharat Forge, Brunel India, CAEZEN Technologies, Capstone Geoconsultants, Castrol, Caterpillar, Central Institute of Mining & Fuel Research, Central Mine Planning & Design Institute, Central Pollution Control Board, CLP Power, Coal India, CMPDI, Cummins India, Deloitte, Dextra, DSP Merrill Lynch, DuPont, Eastern Coalfields, EDF, EDS Technologies, EICL, Eimco Elecon, Elecon EPC, Elliot Geophysics, Engineers India Limited, Epiroc Mining, ERM Consultants, Ernst & Young, Essel Mining, Exxon Mobil Lubricants, FL Smidth, Fugro Geotech, Gates India, GE Transportation, Geo Constech, Gmmco Limited, Government of Western Australia Trade and Investment Office, GSECL, Hazemag, High Commission of Canada, Hindalco Industries, Hindustan Copper, Hitachi, Hyundai Construction Equipment India, IIT-ISM Dhanbad, ILF Asia Pacific and Emerging Markets, IMFA, Indian Rare Earths, Indu Projects, Infotech Enterprises, Inspectorate Griffith, Institute of Minerals & Materials Technology, Jaypee Group, JCB India, Jenissi Management Consultants, Jindal Steel & Power, Keltech Energies, Kennametal India, Kirloskar Brothers, KSK Minerals, Lanco Infratech, Larsen & Toubro, Maaden, Maccaferri, Magnum Minerals, MAN Trucks, Marsh India, Metso Minerals, Mineral Exploration Corporation Limited, Ministry of Coal, Ministry of Mines, Geological Survey of India, Modular Mining System, Monnet Ispat & Energy, Nalco, National Council for Cement and Building Materials, NEERI, Neyveli Lignite Corporation, Nina Concrete, NMDC, Normet Underground Solutions, North East Coal Corporation, Northern Coalfields, NTPC, Oriental Rubber, Polycab Wires, PRD Rigs, PTC, Putzmeister Solid Pumps GmbH, PWC, Queensland Government - Australia, Rashtriya Ispat, Rio Tinto, Roto Pumps, Safire Capital Advisors, Sandvik, Sasan Power Limited - Reliance, Shree Cement, Siemens, Singareni Collieries, South Eastern Coalfields, Strategic Decisions Group, TAM Construction Chemicals, Tata Steel, Technip, Tenova Delkor, THDC, Thiess India, Thriveni Earthmovers, ThyssenKrupp Industries, TIL, Trade and Investment Queensland, TMEIC, Tractors India, Trafalgar EPC, Utkal Alumina International, VE Commercial Vehicles, Vedanta, Virginia Mining Resources, Volvo India, Weir Minerals, Western Coalfields, Wipro, Xylem Water Solutions, etc.

Organisers

The conference is being organised by **India Infrastructure Publishing**, the leading provider of information on the infrastructure sectors through magazines, newsletters, reports and conferences. The company publishes **Indian Infrastructure** and **Power Line** magazines. It also publishes a series of reports on infrastructure/energy sectors including **Mining Equipment Market**, **Mining in India** and **Coal-based Power Generation**.

AGENDA/STRUCTURE

KEY TRENDS AND OUTLOOK

- ❖ What is the state of the mining sector in India?
- ❖ What are the recent trends and developments with regard to technology deployment?
- ❖ What are the key issues and challenges? What is the outlook?

FOCUS ON COAL MINING

- ❖ What are the most prevalent technologies in use for coal mining?
- ❖ What has been the experience so far? What are the key issues and challenges?
- ❖ What are the future needs and requirements?
- ❖ What are the recent global advances?

MINING OF METALLIC AND NON-METALLIC MINERALS

- ❖ What are most prevalent technologies in use for the mining of metallic and non-metallic minerals?
- ❖ What has been the experience so far? What are the key issues and challenges?
- ❖ What will be the impact of the Draft National Mineral Policy, 2018 on the mining sector in general, and on technology deployment in particular?
- ❖ What are the future needs and requirements?

GOVERNMENT PERSPECTIVE

- ❖ What have been the key policy developments in the mining industry?
- ❖ What steps is the government taking to encourage the adoption of new technologies and automation in the mining industry?
- ❖ What policy developments can be expected in the near future?

MDO PERSPECTIVE

- ❖ What are the new technologies that mine developers and operators (MDOs) are currently using or considering?
- ❖ What has been the experience so far in the adoption of these technologies?
- ❖ What are the key issues and challenges faced in technology adoption?

CUSTOMER PERSPECTIVE

- ❖ What are the key emerging customer requirements with respect to mining technology and automation?
- ❖ Which new technologies are the companies currently using or considering?
- ❖ What are the key challenges? What are the expectations from technology providers?

SURVEY AND EXPLORATION

- ❖ What are the key technologies and solutions available for analysis of geological, geophysical and geochemical data?
- ❖ What has been the experience so far?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What are the key lessons for India?

DRILLING AND BLASTING

- ❖ What are the key technologies and solutions available for drilling and blasting?
- ❖ What has been the experience so far?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What are the key lessons for India?

CRUSHING AND CONVEYING

- ❖ What are the key technologies and solutions available for crushing and conveying?
- ❖ What has been the experience so far?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What lessons can be learnt for India?

TRANSPORT AND LOGISTICS

- ❖ What are the key technologies and solutions available for transport and logistics?
- ❖ What has been the experience so far?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What are the lessons for India?

SURFACE MINING

- ❖ What are the key technologies and solutions available for surface mining in India?
- ❖ What has been the experience so far?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What are the lessons for India?

UNDERGROUND MINING

- ❖ What are the key technologies and solutions available for underground mining in India?
- ❖ What has been the experience so far?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What are the key lessons for India?

MINE SAFETY

- ❖ What are the key technologies and solutions available for improving mine safety?
- ❖ What has been the experience so far?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What lessons can be learnt for India?

MINE DESIGN AND PLANNING

- ❖ What are the different types of technologies and equipment available for mine design and planning?
- ❖ What has been the experience so far?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What lessons can be learnt for India?

CYBERSECURITY AND SAFETY

- ❖ What are the key cybersecurity risks in the mining industry?
- ❖ What are the systems and solutions that can help the companies secure themselves?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What lessons can be learnt?

WASTEWATER TREATMENT AND MANAGEMENT

- ❖ What are the different types of technologies and equipment available for water and wastewater treatment?
- ❖ What has been the experience so far?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What lessons can be learnt?

COMMUNICATION SYSTEMS

- ❖ What are the different types of communication technologies and solutions available in mines?
- ❖ What has been the experience so far?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What lessons can be learnt?

GREEN/SUSTAINABLE MINING

- ❖ What are the green/sustainable mining technologies being used to ensure adherence to environmental norms and standards?
- ❖ What has been the experience so far?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What are the lessons for India?

PUMPING SOLUTIONS

- ❖ What are the different types of pumps and pumping technologies, and solutions available in mines?
- ❖ What has been the experience so far?
- ❖ What are the key issues and challenges? What is the future outlook?
- ❖ What are the global advancements? What lessons can be learnt?

NEW TECHNOLOGIES: NEEDS, REQUIREMENTS, CHALLENGES AND OPPORTUNITIES

This session will cover the following technologies:

- ❖ VIRTUAL SIMULATION
- ❖ ARTIFICIAL INTELLIGENCE AND ROBOTICS
- ❖ IOT, BIG DATA AND CLOUD COMPUTING
- ❖ ENTERPRISE SOLUTIONS
- ❖ REMOTE SENSING AND GIS

- What are the key applications of these technologies in the mining industry?
- What specific benefits can the industry draw through these technologies?
- What are the issues and concerns?
- What has been the experience globally? What are the lessons for India?

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Registration Form

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Two delegate	40,000	7,200	47,200	787
Three delegate	55,000	9,900	64,900	1,082
Four delegate	70,000	12,600	82,600	1,377

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- To register online, please log on to <http://indiainfrastructure.com/conf.html>

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- Conference fee includes lunch, tea/coffee and conference material.
- Payments for "early bird" registrations should come in before the last date of discount. Discount offers cannot be combined with any other offer.
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