2nd Edition of Minerals and Mining Conclave 2024
- Coal | Critical Minerals: The Future of Mining
&
Business Excellence Awards

Friday, 27th September 2024, 10.00 am, Kolkata

"Mining shapes our Future based on Past. A never ending Priority Sector towards long term Economic Developments of a Nation"

Introduction

The minerals and mining industry, being the source of precious mineral commodities across the globe, serves as the essential raw materials for leading sectors like manufacturing, construction, power, automobiles, infrastructure, cement, etc and hence the growth of the sector is indispensable for the overall industrial development of a nation. The industry has always been a major source of income, especially through mined materials export for many countries, including India and has been imperative towards economic development of a country. Apart from the existing mining ecosystem, there is a significant scope for new mining capacities, in the area of Coal & other major minerals, Critical minerals, Minor minerals, etc leading to considerable opportunities for future discoveries of sub-surface deposits. In the near future, both increased domestic demand and exports are projected to play significant roles in driving the mining industry and its significant contribution to a nation's GDP would create a spur to economic resurgence.

The global minerals and mining industry has a compounded annual growth rate of 6.1 percent between 2022 and 2023, reaching $2.15 trillion, and is expected to grow to $2.78 trillion by 2027.

India is rich in mineral resources, and the mining industry offers an opportunity for economic development. The country's minerals and mining sector accounts for approximately 2.5% of India's GDP and is fuelled by a host of developments with respect to industrial policies, incentives, etc. which helps to better steward these resources, so that the sector continues to play a developmental role. At present, India has developed its position in the minerals and mining fraternity and due to its strategic location, enables export opportunities and strengthened its position as one of the fastest growing Asian markets. In the coming years, for encouraging further developments and growth in the mining sector, more focus to be given on new avenues of mining, since there is huge potential and it would play a pivotal role in achieving clean energy transitions, spurring economic progress, and strengthening national security.

Minerals exploration and mining is an integral part of the overall ecosystem. The minerals, especially coal, critical minerals, etc are a symbol of international cooperation and they are the backbone of the rapidly expanding global energy distribution systems upon which our modern industry and society are built. Looking at the importance of minerals, it has been clearly forecasted by experts that minerals possess the potential of achieving the goal of reducing the Gross Domestic Product (GDP) emission intensity to 45% approximately by 2030. There are various industry applications of minerals, starting with manufacturing, power, renewable energy technologies, defence, nuclear & space, aviation and other areas as relevant, leading to India's overall economic development, etc. The pressing challenge of global warming and climate change has prompted a shift towards clean energy usage and the success of global energy transition relies heavily on mineral resources, especially coal and critical minerals. Hence, the importance of minerals has grown significantly and there is a need of supply of essential minerals in the context of global push towards clean energy transitions and technological innovation. They are the building blocks of green and digital economy and keeping in mind the consumption of minerals in various industrial segments, the demand is expected to increase by manifold, hence there should be secured, sustainable and responsible mineral supplies in the near future.

India, with its vast geological diversity, holds significant reserves of minerals, positioning it as a key player in the global supply chain. The Government of India is always on the endeavour of developing the mining sector through its dedicated policy framework, including the National Mineral Policy which emphasizes on the exploration, extraction, manufacturing and management of these minerals as they are crucial for India's economic and strategic interests and would help the country to push towards strengthening its global supply chain in the long run.

The region has an opportunity to strengthen its international cooperation and partnerships through the strategic management of minerals. The recent entry of India in the coveted Mineral Security Partnership (MSP) would help the country contribute to the establishment of global mineral supply chains through formation of multi stakeholder, multilateral and bilateral agreements amongst member countries like Australia, Canada, Japan, South Africa, etc with a prime focus on governance and strategic importance of minerals, leading to further enhancement of India's position on minerals exploration, mining, development/ processing, management, trade, etc. and support its long term vision of becoming a global mining hub in days to come.

Digitization and technological advancements have played a key role, given the impact that mining has on the economies of scale, leading to a comprehensive development of countries and its livelihoods. In the present scenario, digitization plays a major role in optimizing traditional mining techniques by using advanced tools like Mining and IoT, Mining and Blockchain Technology, Big Data Analysis, etc and this would bring a major transformation in the mining sector and would help in optimizing the entire mining process and making it cost and energy efficient.

Industrial automation, one of the important pillars of digitization has helped minerals and mining to reach to its momentum and contributed significantly towards strengthening connectivity in and around the mines and surrounding areas by automating processes, making it possible to work from a safe location as well as help the use of automated vehicles and equipments, etc which would lead to improved operational efficiency and safety in mining operations.

The Government and industry stakeholders are working with a collaborative approach to develop the minerals and mining fraternity with a prime focus on Coal & other major minerals, Critical minerals and minor minerals, etc to make it more productive, safer, encourage further innovation and make it more sustainable for the future as mining has always been the key area of focus for industrialization at national and international level.

With this perspective in view, ASSOCHAM is organizing **2nd edition of Minerals and Mining Conclave 2024** focussing on **Coal | Critical Minerals - The Future of Mining** and **Business Excellence Awards** on **Friday, 27th September 2024 at 10.00 a.m. at Kolkata**.

Kindly join us as we propel a vision for developing the mining fraternity to encourage global industrialization.

Together, we can define the future of mining with the help of innovative concepts, digitization, technological advancements, solutions, etc which would help in transformation of business for a better future. It is now time to collaborate, show leadership, and pioneer change.

The conclave brings together senior government officials, top industry leaders, MSMEs, Startups, etc from the mining sector to discuss policies, practices, business developments, management strategies, etc to strengthen the entire gamut of minerals and mining.

Business Excellence Awards 2024

On the occasion of 2nd edition of Minerals and Mining Conclave, ASSOCHAM is organizing Business Excellence Awards to acknowledge and celebrate the achievements of Corporates and MSMEs (including Startups) and the Best Business practices followed by them, leading to business transformation and sustainability. The Business Excellence Awards are highest recognition which has a significant and positive impact.

(Kindly refer below the Award categories and for registration purposes, please use the attached nomination form. Kindly note that Awards are made at the discretion of the Selection Committee, based on nominations received)

Objectives:

The Conclave aims to achieve the followings:

- To promote the region as a vibrant minerals and mining hub, particularly in the realm of Coal & other Major Minerals, Critical minerals, Minor Minerals, etc and to increase exploration, mining, processing & development of minerals and strengthen the supply chain network for industry benefit.
- To assess and understand the criticality of minerals, their contribution towards environmental sustainability, economic growth, etc and highlight on technology cooperation to match the demand and supply matrix.
- To bring together stakeholders from government and industry to understand the opportunities and challenges of essential minerals supply, how minerals fit into the changing landscape on international cooperation, especially in the realm of industrial production, power generation, clean energy, climate change, etc and foster collaborative partnerships and investment models across regions, governments and industry stakeholders, leading to a sustainable, resilience and responsible global value chain.
- To emphasize on planned and systematic exploration of mineral deposits, development and conservation of minerals, etc for good mineral inventory and to undertake the steps required to boost availability of minerals.
- To give impetus on scientific mining, mining safety, etc leading to sustainable mining, high efficiency, green economy, social harmony, etc and encourage value addition of minerals for industry development and growth.
- To explore industrial policies, governance and schemes (including incentives, tax breaks, streamlined regulatory processes) of Government which would help in promotion of exploration and mining, facilitate auction of mines, especially e-auction, sales of Coal and other minerals, especially e - sales, ease of doing business, foreign direct investments through automatic route, etc of major, critical and minor minerals, needed for improving energy security and other key sectors like manufacturing, aviation,defence, transport, nuclear and space applications, etc.
- To highlight on innovations, practices, initiatives, etc related to mineral exploration and mining, which would help to augment the supply of minerals.
- To understand the importance and requirements of minerals and how to prioritize the security of mineral deposits as they have long term economic and commercial value.
- To highlight and understand the strategy of major, critical and minor minerals for economic growth, competitiveness, employment generation, research & development, promoting climate action & environmental protection, etc that enables minerals to provide economical and societal value to industry.
- To focus on the main pillars of mineral value chain, right from exploration to mining to extraction to manufacturing to recycling and to bring in table the latest exploration techniques and technologies for a much better and modernized exploration programme. Apart, the conclave would highlight the contributions of mining equipment manufacturers, MSMEs and Startups leading to further development and growth of minerals exploration and mining.
- To bring in place, some of the major technological advancements taking place in mining, ever since the rise of digitization and to emphasize on imparting education related to minerals and mining for strengthening sectoral development.
- To showcase the expectations of downstream/ancillary industries and large organizations, dealing with minerals exploration and mining, mining equipment manufacturing and related activities, enable to create a win – win situation and establish business linkages, leading to sustainability in the long run.

- Last but not the least, to provide guidance to industry, particularly the small and medium units, in terms of technological inputs, infrastructure support, marketing linkages, particularly through e- commerce platform, exports/imports, etc, enable them to get access to newer markets, especially overseas markets.

Topics to be Covered:

- Role of Minerals for Economic development, Clean Energy Transitions, National Security, etc.
- Excellence in Minerals Exploration and Mining – Building a Strategic Roadmap for Global Alliances
- Technological Intervention and Promoting Education for Development and Growth of Mining sector
- Sharing of Best Practices, Initiatives and Innovations - Leading to Sustainability of Minerals Exploration and Mining
- Supply Chain Ecosystem of Minerals: Addressing Challenges, Vulnerabilities, Disruptions, etc and measures to be taken to Strengthen the Value Chain
- Strengthening Business Linkages and Accelerating Industrial Development – A Step to a Better Future

Target Participants:

The Conclave is designed for Senior and Mid Level Executives from Mining, Mining Equipment manufacturing and allied sectors like Managing Directors, Presidents, Senior Vice Presidents, Vice Presidents, Directors, Leaders, Superintendents, Supervisors, Specialists/Experts, Engineers, Mining Engineers/Miners, Exporters/Importers, Managers, including,

- Government, Policy Makers & Regulators
- Large and Emerging Mineral Producers and Consumers
- Industry Leaders, Business Entrepreneurs & Investors
- Research & Academic Institutes and R&D Researchers
- Technology, Equipments & Services organizations
- International Organizations, Civil Societies, etc.

Session Deliverables:

- Knowhow on the present scenario of Minerals Exploration and Mining in the realm of Coal & other major minerals, Critical minerals, Minor minerals etc and what measures to be taken for further developments and growth to give it a status of a Global destination.

- The conclave would apprise on the various policies of Government, promote transparency in mineral markets, etc, thus enable the business leaders to restructure their business ecosystem, generate further investments, etc related to minerals and mining, manufacturing of minerals exploration & mining equipments and allied activities.

- Exposure to best practices, initiatives, and innovations in minerals exploration & mining and related operations, leading to sustainability and a comprehensive sectoral growth for industry benefit.

- Adoption of Good ESG Practices leading to Sustainable and Responsible Minerals Production.

- Formalize an effective action plan, leading to securitization of mineral deposits, bring in technological advancements & recycling, expand exploration & mining efforts, strengthening business linkages, encourage joint ventures, foster international collaborations and help to build a national strategy on minerals.

- Last but not the least, the conclave would act as a guiding platform to streamline and expedite the growth process of industry, including MSMEs and Startups, in the realm of minerals exploration and mining, leading to economic development of a region.

Partnership Opportunity:

The conclave provides a host of sponsorship, branding and advertising opportunities, suited to meet your brand objectives. From thought leadership positioning, networking opportunities to high visibility branding and advertising campaigns, our packages are designed to maximize benefits and ensure high returns on your investments. The partnership deliverables are enclosed along with this brochure. Be at the forefront to make this conclave a grand success.

Award Categories

(For participation, please refer to Nomination Form)

- Award for Mining Excellence, especially in the context of ESG and Sustainability of the Year
- Best Mineral conservation of the Year Award
- Award for Best Performing Organization in Mineral Logistics/Mineral Supply of the Year
- Award for Best Performing Organization in Coal and Critical Minerals Beneficiation of the Year
- Award for Best Systematic, Scientific and Sustainable Mine Development and Operator of the Year
- Award for Best Mining Practices, Initiatives with special focus on ESG of the Year
- Award for Best Mineral Exploration and Mining of the Year
- Award for Best Emerging Exploration Agency of the Year
- Award for Best Innovative Technologies in Discovering Coal & Critical Minerals of the Year
- Best Green Mining Organization of the Year Award
- Award for Excellence in Mining Technology of the Year
- Award for Best Mine Management of the Year
- Award for Best Mineral Utilization of the Year
- Award for Longest Accident Free Period and Responsible Business of the Year
- Award for Excellence in Environment, Health and Safety of the Year
- Award for Best Mineral Industry Research & Development, Mining Education and Mineral Economics of the Year
- Award for Excellence in Quality Systems in Mining of the Year
- Award for Excellence in Maintenance Systems in Mining of the Year
- Best in Class Mine Planning and Designing of the Year Award
- Award for Excellence in CSR and Sustainability of the Year
- Award for Mining and related Equipments Manufacturing Excellence and Innovation of the Year
- Best Contract Mining of the Year Award
- Award for Best in Class Supply Chain and Services of the Year
- Award for Excellence in Coal Mining - Outstanding contribution in the Coal Mining Industry
- Award for Excellence in Non-Coal Mining - Outstanding contribution in the Non-Coal Mining Industry
- Award for Excellence in Earth Sciences/Mineral Engineering - Outstanding contribution in any Branch of Earth Science or Mineral Engineering
- Customer Centric and Customer Services Excellence Award
- Leading MSMEs or Startups in Mining and/or Mining Equipment Manufacturing of the Year Award
- Award for Best Future Ready Mines and/or Mining & related Equipments Manufacturing Factory
- Smart Mining and Digitization Award of the Year
- Award for Best Digital Factory of the Year
- Award for Excellence in Technological Advancements in Mining and/or Mining & related Equipments Manufacturing of the Year
- Employer Brand of the Year Award
- Best Innovative Organization of the Year Award
- Award for Best Innovation Project and Product Innovation of the Year Award
- Award for Excellence in Corporate Governance Transformation of the Year
- Emerging Company (including MSMEs or Start Ups) of the Year Award
- Smart Waste Management Initiative of the Year Award
- Best in Class Planning and Designing of Mining & related Equipment Manufacturing of the Year Award
- Award for Excellence in Cost Competitiveness, Operational Excellence, Productivity Improvement and Marketing & Sales of the Year

- Award for Excellence in Diversity, Biodiversity, Equity and Inclusion Programmes of the Year
- Best Major Mine Expansion Project of the Year Award
- Award for Excellence in Mining Innovation and Mineral Development of the Year
- Award for Excellence in Shopfloor Management of the Year
- Best Zero Defect Supplier of the Year
- Award for Leading ESG Responsible Organization of the Year
- Award for Best ESG Implementation, ESG Data, Analytics, Reporting and Investing of the Year
- Best ESG Miner of the Year Award
- Best ESG Mining Equipment Manufacturer of the Year Award
- Best ESG Team of the Year Award
- Best Carbon Footprint and Energy Efficiency Initiative, especially with ESG in focus of the Year Award
- Employee Engagement ESG Programme of the Year Award
- Award for Best ESG Campaign for Brand Activism, Environmental Product, etc for furthering development and growth of Mining industry and strengthening Global Partnerships
- Award for Excellence in E-Auction/E-Selling/Trading of Coal, Critical Minerals and other minerals and Mines of the Year
- Future ESG Organization of the Year Award

Recent Past Events

<u>For any further clarification(s), please contact undersigned:</u>

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