



इस्यती इरादा

Organized by



— INTERNATIONAL CONFERENCE ON —
IRON ORE

21 June 2024, Friday

Novotel Visakhapatnam
Varun Beach, India

200+ Delegates | 15+ Stalls | 8hrs Learning Sessions | High-Level Networking

20 Expert Speakers

mymetalogic.com | metallogicpms.com

In India, the iron ore industry is undergoing a transformative phase fueled by advancements across exploration, geology, mineral processing, and mining operations. Best practices in exploration leverage cutting-edge techniques such as remote sensing, geological mapping, and geophysical surveys to identify promising ore deposits with greater accuracy and efficiency. Geologists employ sophisticated models to understand the geological structures and mineralization patterns, aiding in targeted extraction strategies.

In tandem with traditional methods, the industry is embracing automated technologies like AI, drones, and machine learning to revolutionize mining operations. Drones equipped with advanced sensors conduct aerial surveys for mapping terrain and monitoring stockpiles, enhancing operational safety and efficiency. AI algorithms analyze vast datasets to optimize mine planning, equipment utilization, and predictive maintenance, thereby improving productivity and reducing costs.

Furthermore, significant strides have been made in iron ore beneficiation technologies to enhance the quality of extracted ore. Advanced processing techniques such as

gravity separation, magnetic separation, and flotation are employed to remove impurities and increase the iron content, ensuring a higher-grade final product.

The adoption of slurry pipeline transportation has emerged as a game-changer in iron ore logistics, offering a cost-effective and environmentally sustainable alternative to traditional haulage methods. These pipelines efficiently transport ore concentrates over long distances, bypassing congested roads and minimizing carbon emissions, thus streamlining the supply chain and bolstering competitiveness.

On the trade front, India plays a pivotal role in both domestic consumption and international markets. With a burgeoning domestic steel industry, the demand for high-quality iron ore remains robust, driving investments in production and infrastructure. Simultaneously, as a major exporter, India actively participates in the global iron ore trade, leveraging its rich reserves to meet the needs of steel-producing nations worldwide. Strategic partnerships and trade agreements facilitate seamless exchanges, contributing to economic growth and fostering international cooperation in the iron ore sector.



About the **ORGANIZER**



Metalogic PMS, headquartered in India, serves as a market intelligence firm specializing in the Indian Steel and Mining Industry. Established in 2015 by Monica Bachchan, a first-generation entrepreneur, Metalogic aims to elevate the presence of women within the steel and mining sector. Currently, the industry exhibits a scarcity of female staff, with less than 1% reaching managerial positions.

As a prominent mass media organization, Metalogic orchestrates events for the steel, mining, and logistics sectors. The company provides daily news coverage spanning steel, mining (iron ore and coal), logistics, steel prices, and both Indian and global news. Actively engaged on social media, Metalogic boasts a YouTube channel with over 3500 subscribers from the industry, featuring a collection of steel and mining-related videos.

In addition to its media initiatives, Metalogic contributes to the educational sector by affording engineering colleges and universities opportunities for students and faculty to attend steel events at no cost. The firm also champions the involvement of female students in metallurgy courses, fostering career pathways.

Furthermore, Metalogic actively supports research and development endeavors within the steel and mining industry. This involvement aims to enhance product quality, boost energy efficiency, and contribute to effective waste management practices.

METALOGIC PMS has launched a portal **MYMETALOGIC.COM** which is designed to provide timely, accurate and reliable information and data for the steel, metal, mining, and logistics industry.

- Webinars & Conferences
- News & Media
- Studio
- Market Research
- Advertising

Why Metalogic Events?

- Industry Specialised Speaker Selection
- Time Management With Quality Content
- Excellent Promotion of Steel to End-User Industries
- Targeted Customer Attendees
- Buyers & Sellers Meet
- Policy Discussions & Recommendations
- Brainstorming Sessions

Who Should ATTEND?



Steel-Makers

Policy-Makers

Mining Machinery and
Equipment's

Drones

Academia

Iron Ore Miners

Traders

Beneficiation & Pellet
Technology Providers

Transporters

Slurry Pipeline

Mining Infra Developers

Artificial Intelligence

Information Technology

Banking & Financial
Institutions

Shipping and Ports Companies



Event Key Points



IRON ORE

Best practices in exploration leverage cutting-edge techniques such as remote sensing, geological mapping, and geophysical surveys to identify promising ore deposits with greater accuracy and efficiency.



BENEFICIATION

Advanced processing techniques such as gravity separation, magnetic separation, and flotation are employed to remove impurities and increase the iron content, ensuring a higher-grade final product.



DRONES & AI

Drones equipped with advanced sensors conduct aerial surveys for mapping terrain and monitoring stockpiles, enhancing operational safety and efficiency.



SLURRY PIPELINE

These pipelines efficiently transport ore concentrates over long distances, bypassing congested roads and minimizing carbon emissions, thus streamlining the supply chain and bolstering competitiveness.

09:00 - 09:40 am	Delegate Registration 
30 Mins	Speed Networking Session & Welcome Refreshments
09:45 - 10:00 am	Exhibitor Stall Visits by the VIPs 
10:00 - 11:30 am	Conference Inaugural Session 
90 Mins Extempore	Greetings and welcoming of VIPs on Stage <i>(Lamp lighting ceremony)</i>
	Theme setting: Key Note Address by Special Invitee: Special invitees Industry note: Guest of Honors: Chief Guest:
	Discussion Points: <ul style="list-style-type: none"> • Mining policies focusing Indian iron ore production • Fulfilling the appetite – Self reliable in production and consumption • Market Shifts – Iron ore imports into India and low-grade exports challenges • Making the way through slurry pipeline transportation • Advancement into Beneficiation technologies, AI, Drones and Digitization
11:30 - 11:40 am	Networking Break 
11:40 - 11:55 am	Demonstration 1 
12:00 - 01:00 pm	Session 1 
60 Mins Presentations	Best practices in Exploration, Mining, Beneficiation Technologies and Waste Management
	Discussion Points: <ul style="list-style-type: none"> • Exploration with greater accuracy and efficiency - exploration leverage cutting-edge techniques such as remote sensing, geological mapping, 3D Modeling and Visualization and geophysical surveys to identify promising ore deposits • Sustainable Mining Techniques, Beneficiation and Mineral Processing • Mining waste management, land utilisation, power and water management <p>(Interaction with Audience and Summarization of Session by the Chair)</p>

01:00 - 2:00 pm	Lunch & Networking Break
02:00 - 02:15 pm	Demonstration 2
02:15 - 3:30 pm	Session 2
75 Mins Panel Discussion	AI, Drones and Digitization in Mining and Slurry Pipeline Discussion Points: <ul style="list-style-type: none">• Drones: Using drones to perform safety inspections of mining infrastructure, including pit walls, stockpiles, and equipment. Monitoring of environmental parameters such as air quality, water quality, and vegetation cover in and around mining operations. Drones can generate accurate 3D models of stockpiles, allowing for inventory management, material reconciliation, and optimization of storage space.• Role of AI: Integrating artificial intelligence (AI) algorithms with drone imagery and geo-spatial data to analyze and interpret geological features, mineralogy, and ore grades.• Digitization: Implementing digital technologies such as Geographic Information Systems (GIS), cloud-based data management platforms, and digital twin simulations to streamline iron ore mining operations. Digitization enables centralized data storage, real-time collaboration, and decision support for optimizing production workflows and resource allocation.• Slurry Pipeline: Compared to traditional transportation methods such as trucking or rail, slurry pipeline transportation minimizes carbon emissions, air pollution, and road congestion, leading to a reduced environmental footprint. (Interaction with Audience and Summarization of Session by the Chair)
03:30 - 03:45 pm	Demonstration 3
03:45 - 4:45 pm	Session 3
60 Mins Presentations	Iron ore Market – Consumption, Price Trends, Freight and Trade (Domestic and International) Discussion Points: <ul style="list-style-type: none">• Iron ore imports into India and export of low grade• International iron ore and steel prices impacting Indian markets• Ports facilitating coastal movements• Railways and Shipping Freights to make transportation affordable (Interaction with Audience and Summarization of Session by the Chair)
04:45 - 05:30 pm	Networking High Tea & Photo Sessions
	Day Ends

Conference

PARTICIPATION



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About The **CITY & VENUE**



Visakhapatnam

also known as Vizag, is the second biggest city in Andhra Pradesh. The city derived its name from God Visakha, the God of valor. Located 625 km from Hyderabad, Visakhapatnam is a major port on the South Eastern coast of the country and serves as the headquarters of the Eastern Naval Command. Mainly a thriving industrial town, Visakhapatnam is also a busy port. Visakhapatnam attracts people from all over the country who visit the city looking for jobs and is rightly called the 'city of destiny'.

Venue:

Novotel Visakhapatnam Varun Beach

Beach Road , Maharani Peta Krishnanagar, 530002 Visakhapatnam, India



5-star seafront luxury at Novotel Visakhapatnam Varun Beach hotel offer you dazzling Bay of Bengal views. The hotel shares a close proximity with the city Railway station (4.3km), Rushikonda Beach, Vizag Port and the airport (13.3km). The popular Submarine Museum is just a walk away. The hotel's city centre location makes it approachable from industrial and business hubs. Novotel Visakhapatnam Varun Beach is among the only hotels in Visakhapatnam that is ocean facing. The hotel offers calming views of the sea from every nook and corner.

Our Past EVENTS



No.	Tariff in INR	Tariff in USD	Please Tick (✓) On Your Choice
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Account Transfer	ICICI BANK
Account Type	Current
RTGS/NEFT IFS Code	ICIC0000815
Account Name	Metalogic Projects Management Services Pvt. Ltd.
Account Number	081505001100
Bank Address	Sector 110, Branch A-3/13, Sector 110, Noida – 210301, Uttar Pradesh

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- THE PAYMENT TO BE MADE 100% ADVANCE THROUGH THE PAYMENT GATEWAY/NEFT/CHEQUE/IMPS/RTGS OR PAYTM/GOOGLE PAY.

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