

Organized by



NATIONAL CONFERENCE ON
MODERN
LOGISTICS
FOR METALS & MINERALS

22nd October 2024 , Tuesday | The Ashok, New Delhi



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300+
Delegates



8 Hrs Learning
Sessions



20+ Expert
Speakers



High-Level
Networking



CONFERENCE OVERVIEW

Organized by **Metalogic PMS**, this conference aims to explore the latest advancements and challenges in the logistics sector, with a specific focus on the metals and minerals industries. As we navigate an increasingly complex and competitive global market, the need for efficient, sustainable, and technologically advanced logistics solutions has never been more critical.

This conference is particularly important to us because logistics is the backbone of the metals and minerals industries, impacting every stage from raw material extraction to final product delivery. With recent developments in infrastructure, digitalization, and sustainability, the logistics landscape is rapidly evolving. Indian Railway's initiatives for bulk and container handling, advancements in road and highway connectivity, and innovations in factory logistics are reshaping how materials are transported and managed. By bringing together thought leaders and stakeholders,

we aim to foster collaboration and share insights that will drive the future of logistics.

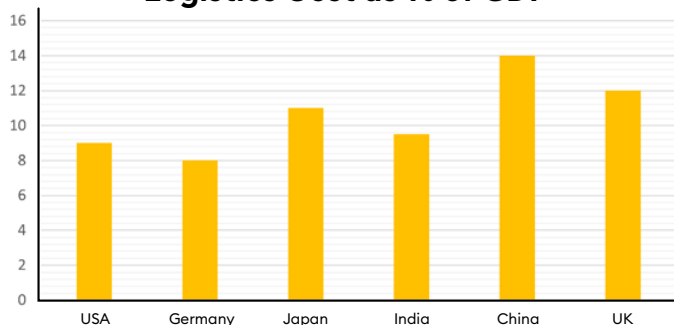
The latest developments in logistics, such as the adoption of robotics, GPS, and drones, are transforming how we approach supply chain management. Additionally, the emergence of multi-modal logistics parks under the PPP model is creating new opportunities for efficiency and cost reduction. The conference will also explore the role of slurry pipelines in liquid and gas transportation, a critical area for industries that rely on seamless and sustainable logistics solutions.

We believe that this conference will not only provide valuable knowledge and insights but also pave the way for future innovations in the industry. As we address the challenges and opportunities in modern logistics, we are confident that this gathering will contribute to the growth and success of the metals and minerals sectors, both in India and globally.



OVERVIEW OF INDIAN LOGISTICS INDUSTRY

Logistics Cost as % of GDP



India's logistics cost is estimated to be in the range 8.5 – 9.5 percent of gross domestic product (GDP) in 2021-22.

India ranked 38th out of 139 countries with the score of 3.8 (As per the World Bank's 2023 Logistics Performance Index (LPI))

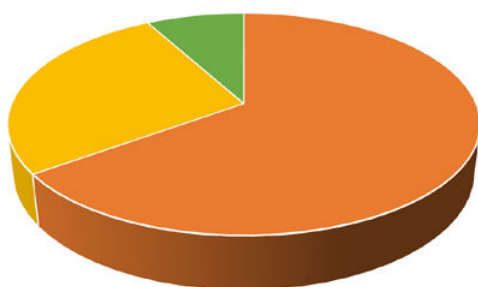
This was achieved as Hon'ble Prime Minister launched the PM GatiShakti National Master Plan for multimodal connectivity on 13 October 2021, and National Logistics Policy on 17th Sept. 2022, for improving logistics

efficiency and reducing logistics costs.

- » Under the National Logistics Policy, the government has integrated 36 logistics-related digital systems/portals across eight ministries providing real-time information on 1,800 data fields on the Unified Logistics Integrated Platform (ULIP).
- » Development of Logistics Data Bank which has digitized track and trace of 100% containerized EXIM cargo, are presently operational.
- » As on March 2024, 43 ministries have been onboarded on PM GatiShakti National Master Plan portal. So far 1,530 data layers (642 Ministry data layers & 888 State data layers) of Ministries and States have been uploaded on the PMGS-NMP portal.
- » So far, 26 states have notified their State Logistics policies

Transportation modes and their dependency:

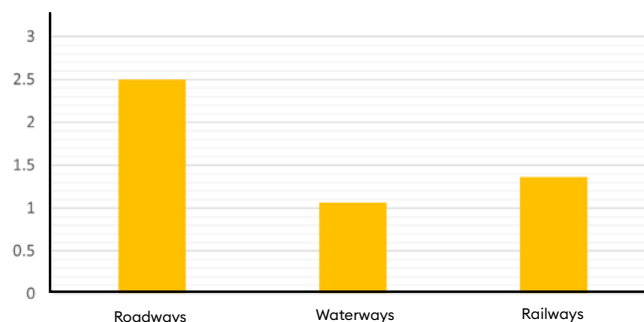
Modes of Transportation (in%)



● Railways ● Roadways ● Others

India handles around 4.6 billion tons of goods annually, out of which around 65 percent is being handled by roadways, 27 percent by railways.

Transportation Cost (₹/t per Kms)



Cost of moving goods by roadways stands around ₹2.5 – 2.7 per ton per km, for railways it is ₹1.35 – ₹1.40 per ton per km and for waterways it is ₹1.05 - ₹1.10 per ton per km.

As of January 2024, India's road network was about 66.71 lakh kms (667,100 km), making it the second largest in the world. This includes national highways (1,46,145 km), state highways (1,79,535 km), and other roads (63,45,403 km).

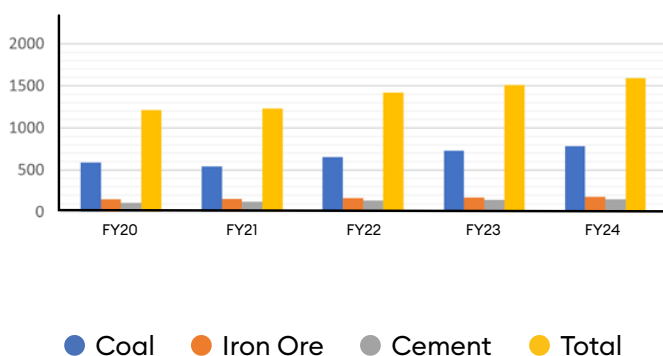
Multimodal Logistics Parks (MMLPs)

The Ministry has identified 35 Multimodal Logistics Parks for development as part of Bharatmala Pariyojna (BMP) to improve the logistics efficiency of the Indian economy. 15 MMLPs have been prioritized for development under BMP Phase-1.

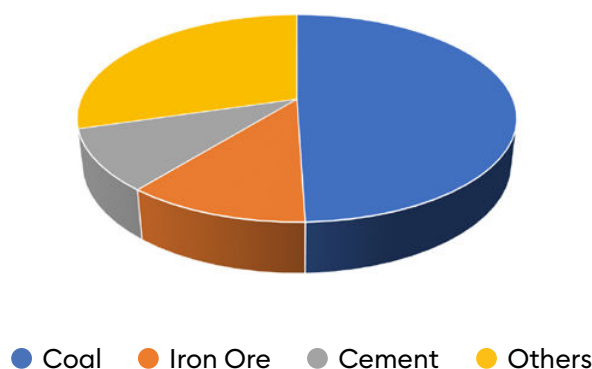
RAILWAYS

Indian Railways is registering CAGR of 5 percent in its annual freight traffic loadings.

Indian Railways Freight Loading (in MT)



Railways Freight Loading Share (in %)



The government aims to increase this number to 45% by 2030. To achieve this feat the railways must register a growth of 1.2-1.5 times that of the national economy i.e. at an economic growth of around 8 percent, railways should be registering a CAGR of 10 percent.

Indian Railways has proposed a massive investment of ₹11,000 bn. (US\$1318.9 bn.) across three upcoming economic corridors in a significant development. These corridors, comprising the energy, mineral and cement corridors, the port connectivity corridor, and the high traffic density corridors, are poised to transform freight and cargo transportation in the nation.

This extensive plan encompasses 434 smaller projects, covering a distance of over 40,000 km, with an expected completion timeline of six to eight years.

Dedicated Freight Corridor

Dedicated Freight Corridor (DFC) is set to transform the nation's freight transportation sector, solidifying its standing as a logistics powerhouse. As of 2024, the Eastern and Western Dedicated Freight Corridors, with a combined length of 2,843 kms (1,766 miles), are transforming freight movement in the country.

The Western Dedicated Freight Corridor (WDFC) spans 1,506 kms, linking the JNPT

port in Mumbai to Dadri in Uttar Pradesh while Eastern Dedicated Freight Corridor (EDFC) is a 1856 kms corridor connecting Ludhiana in Punjab to Dankuni in West Bengal.

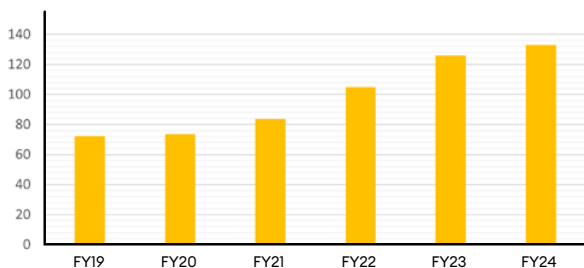
Electrification drive of IR:

Railways in 2023-24 achieved 5,300 km of laying new lines, doubling and gauge

conversion compared to 5,241 km during 2022-23. With this feat, the average daily track laying comes out to be 14.5 km per day. It is also the highest ever commissioning of railway lines which will help in increasing freight loadings in coming future.

INLAND WATERWAYS

Inland Waterways Cargo Movement (in MT)



The total navigable length is 14,500 km, which comprises of rivers, canals, backwaters, creeks, etc. out of which about 5200 km of the river and 4000 km of canals can be used by mechanised crafts.

Government's push for cargo movement by inland waterways (rivers and creeks) has resulted in more than 638 percent increase in ferrying of goods by the greenest transportation mode in the past 10 years. In 2023-24, 133.03 million tons of cargo was handled against 18 million tons in 2013-14.

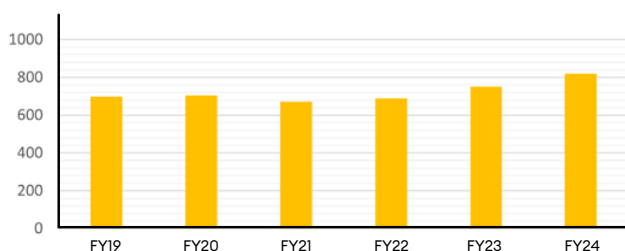
Major cargo movement mostly include coal – 30 percent of the traffic, iron ore – which is around 35 percent and fly-ash – which is 7 percent.

To further increase its capabilities, around ₹360 crore is being spent towards development of 14 new National Waterways in India. Nearly 73 per cent of the investment, or ₹264 crore will be towards development of waterways in Assam, ₹10 crore will be towards projects in Maharashtra, ₹65 crore will cover projects across Bengal and Bihar, and remaining ₹15 crore in Goa.

IWAI has identified 26 new NWs through techno-economic feasibility studies for undertaking technical interventions to make the waterways navigable for transportation purposes.

PORTS

Cargo Volume by Major Ports (in MT)



The length of India's coastline is roughly 7,500 kilometres and the country currently owns 13 major ports and 205 non-major ports in the country.

These ports in the country handle around 90 percent of EXIM Cargo by volume and 70 percent by value. Iron ore, coal, crude petroleum, and other vital items are imported via the sea route.

It has established an automatic route allowing 100 percent FDI in port and harbour construction and maintenance projects. Additionally, it has facilitated a 10-year tax exemption for companies involved in the development, operation, and maintenance of ports, inland waterways, and inland ports.

Cargo volumes handling at major Indian port has already reflecting improving efficiency of Indian ports.

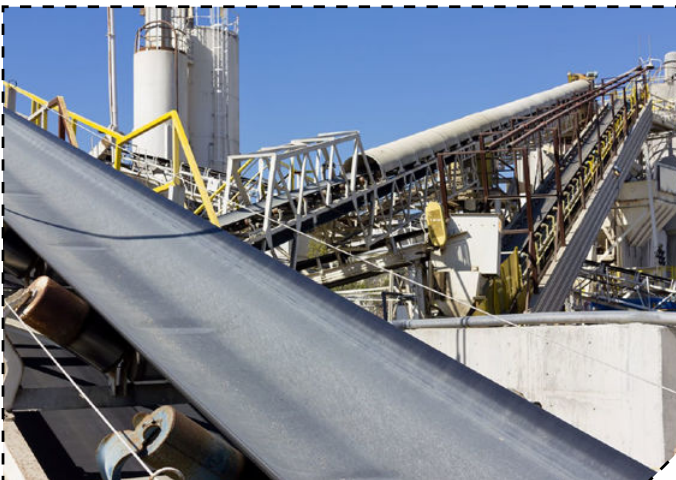
Another prime reason behind this growth is led by Sagarmala Programme launched in 2015, a flagship initiative of the Ministry of Ports, Shipping and Waterways, represents a visionary approach by the Government of India to transform the country's maritime sector. It seeks to enhance the performance of the logistics sector by reducing logistics costs for both domestic and international trade.

National Infrastructure Pipeline (NIP)

National Infrastructure Pipeline was launched with 6,835 projects and has expanded to capture over 9,288 projects with a total outlay of ₹108.88 lakh cr. between 2020 and 2025.

NIP consists of projects implemented by all the states and Union Territories and

22 infrastructure ministries. It comprises brownfield and greenfield infrastructure projects of above Rs 100 crore across both economic and social infrastructure. The sector is currently dominated by oil and gas transportation.



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.

mymetalogic.com

is designed to provide timely, accurate and reliable information and data for the **steel, metal, mining, cement, logistics and infrastructure industries.**

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

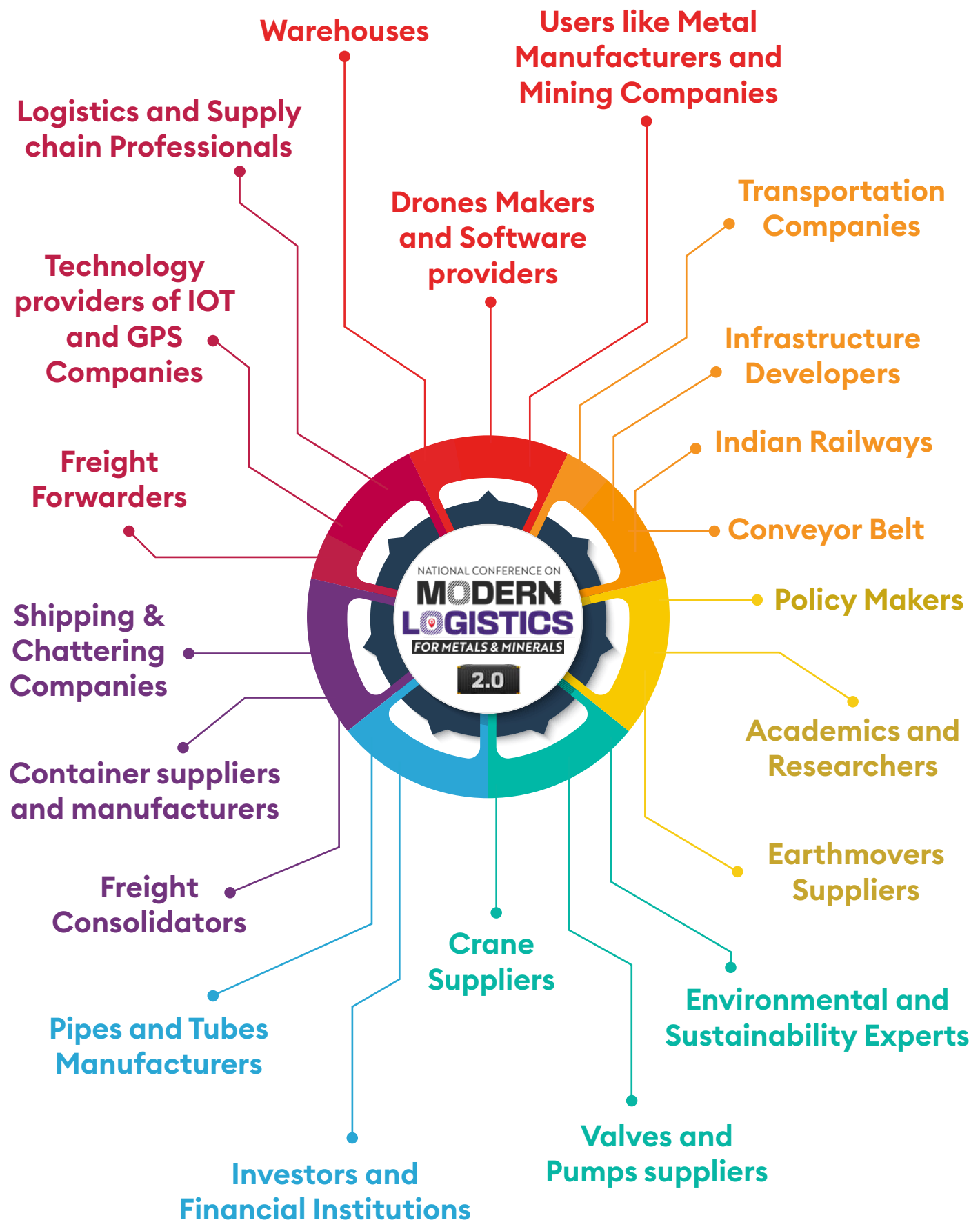


Policy Discussions
& Recommendations



Brainstorming
Sessions

WHO SHOULD ATTEND?



09:00 - 09:45 am

45 Mins

Delegate Registration

Speed Networking Session & Welcome Refreshments

09:45 - 11:15 am

Conference Inaugural Session

09:45am - Greetings and welcoming of VIPs on stage with flowers: Ms. Saroj Sharma (Emcee)

09:50am - Welcome Note: Monica Bachchan Duvvuri, Founder & CEO, Metalogic Projects Management Services Pvt Ltd.

(Lamp lighting ceremony)

Special invitee Industry notes:

Key Note Addresses:

Discussion Points:

- » The Future of Logistics in Metals and Minerals: Trends, Challenges & Recommendations
- » Government Initiatives: Policies and incentives for improving road infrastructure and promoting efficient logistics.
- » Financing logistics infrastructure
- » Role of PPP model in developing multi-modal logistics parks.
- » Integration with road and port logistics for last-mile connectivity.
- » Expansion of rail-linked multi-modal logistics parks to handle both raw and finished goods.
- » Development of dedicated freight corridors to reduce transit time and improve efficiency.

11:15 - 11:45 am

30 Mins
Presentation

Session 1

Indian Railways for Bulk Raw Material and Container Handling

Discussion Points:

Expansion of railway capacity to handle the increasing demand for raw materials and finished products.

Kavach System installation in engines for safety.

Bulk Raw Material Transportation:

- » Efficient rail transport for bulk commodities like iron ore, coal, bauxite, and other minerals.
- » Specialized wagons designed for safe and bulk handling of raw materials.
- » Integration of railways with major mining and port terminals for seamless supply chain logistics.

Containerized Transport of Finished Goods:

- » Handling finished materials like steel coils, TMT bars, aluminium products, etc., in containers.
- » Use of specialized containers (e.g., open-top containers) for heavy and oversized finished goods.
- » Flexibility in loading/unloading finished products at various points along the supply chain.

11:45 - 12:15 pm

Session 2

30 Mins
Presentation

Roads and Highways for Metals and Minerals Transport

Discussion Points:

Bulk Raw Material Transportation:

- » **Efficient Transportation Network:** Nationwide network of highways connecting mines, factories, and ports for metals and minerals transport.
- » Development of expressways and dedicated freight corridors to reduce transit times.
- » Implementation of GST and E-way bill systems for seamless interstate transportation of goods.
- » **Last-Mile Connectivity:** Critical role of roads in providing last-mile connectivity between factories, warehouses, and ports.
- » Investment in strengthening and widening roads to accommodate heavy vehicles.
- » **Safety and Compliance:** Emphasis on road safety measures, including weight compliance, proper loading, and secure transport.

12:15 - 01:00 pm

Session 3

45 Mins
Panel Discussion

Pipes & Tubes Logistics for Liquid and Gas Transportation

Discussion Points:

- » **Slurry Pipeline Transportation:** Efficient transportation of mineral slurry (iron ore, coal, etc.) over long distances using pipelines. Ideal for transporting materials from mines to processing plants or ports.
- » **Material Compatibility:** Selection of appropriate materials (e.g., stainless steel, polyethylene) for pipelines based on the type of liquid or gas being transported (e.g., oil, natural gas, chemicals).
- » Implementation of corrosion-resistant materials and coatings to enhance pipeline durability.
- » **Design and Capacity Optimization:** Designing pipelines to handle varying pressures, temperatures, and flow rates to optimize efficiency.
- » Consideration of factors such as terrain, climate, and distance to minimize energy consumption and operational costs.
- » **Pipeline Monitoring and Automation:** Real-time monitoring of pipeline conditions using SCADA systems and AI-driven predictive analytics for early detection of issues.
- » Automation of valves, pumps, and other components to enhance operational efficiency and reduce human intervention.

(Interaction with Audience and Summarization of Session by the Chair)

01:00 - 01:50 pm

Networking Lunch Break

02:00 - 02:45 pm

Session 4

45 Mins
Panel Discussion

Shipping, Ports & River Terminals

Discussion Points:

Bulk Raw Material Transportation:

- » **Location:** Ports and river terminals located near mining areas, industrial hubs, and consumption centers to optimize transportation routes. Proximity to rail and road networks for seamless multi-modal integration.
- » **River Terminal Connectivity:** Use of inland waterways and river terminals to transport bulk materials and finished goods, reducing road and rail congestion.
- » Development of barge services for efficient, cost-effective transportation of heavy cargo. Regular dredging of river channels to maintain navigability for barges and vessels.
- » **Capacity and Throughput Optimization:** Expansion and deepening of berths to accommodate larger vessels and increase cargo handling capacity.
- » Upgrading storage facilities, including warehouses and silos, to handle higher volumes of metals and minerals.
- » **Infrastructure for Hazardous Materials:** Specialized infrastructure and safety measures for handling and storing hazardous materials, including chemicals and flammable liquids.
- » Compliance with safety standards and protocols to prevent accidents and environmental damage.
- » **Port Community Systems:** Development of collaborative platforms that connect port authorities, shipping lines, and logistics providers for efficient information sharing and coordination. Enhancing transparency and reducing administrative burdens through digital documentation and processes.

02:45 - 03:30 pm

Session 5

45 Mins
Panel Discussion

Factory Logistics for Material Handling

Discussion Points:

Bulk Raw Material Transportation:

- » **Automated Material Handling Systems:** Implementation of automated conveyor systems, robotic arms, and automated guided vehicles (AGVs) for efficient material movement within factories.
- » Just-in-time (JIT) inventory systems to minimize storage costs and reduce waste.
- » Deployment of forklifts, pallet jacks, and overhead cranes for the internal movement of heavy materials like steel, aluminum, and other metals.
- » **Warehouse Optimization:** Efficient layout design for warehouses to minimize travel time and optimize space utilization. Use of vertical storage solutions and automated retrieval systems for better space management.
- » **Technology Integration:** Use of Internet of Things (IoT) for smart material handling, enabling predictive maintenance and real-time monitoring of equipment.

03:30 - 04:00 pm

Session 6

30 Mins
Panel Discussion

Role of Robotics, GPS, and Drones in Logistics

Discussion Points:

- » Use of RFID, GPS, and tracking systems to monitor the movement of bulk and containerized materials.
- » Demonstration: Live demo of drone-based logistics solutions.
- » Automated loading/unloading systems to reduce handling time and improve safety.

04:00 - 05:00 pm

Business Networking, Informal Discussions, High Tea



CONFERENCE PARTICIPATION

**TITLE
SPONSOR**

15 LAKH

**POWERED
BY**

10 LAKH

**CO-POWERED
BY**

8 LAKH

**LUNCH
SPONSOR**

7.5 LAKH

**DINNER
SPONSOR**

7.5 LAKH

**GOLD
SPONSOR**

6 LAKH

**DELEGATE KIT
SPONSOR**

5 LAKH

**BADGE
SPONSOR**

5 LAKH

**LANYARD
SPONSOR**

5 LAKH

**SILVER
SPONSOR**

4 LAKH

**BRONZE
SPONSOR**

2.5 LAKH

**CO
SPONSOR**

1.5 LAKH

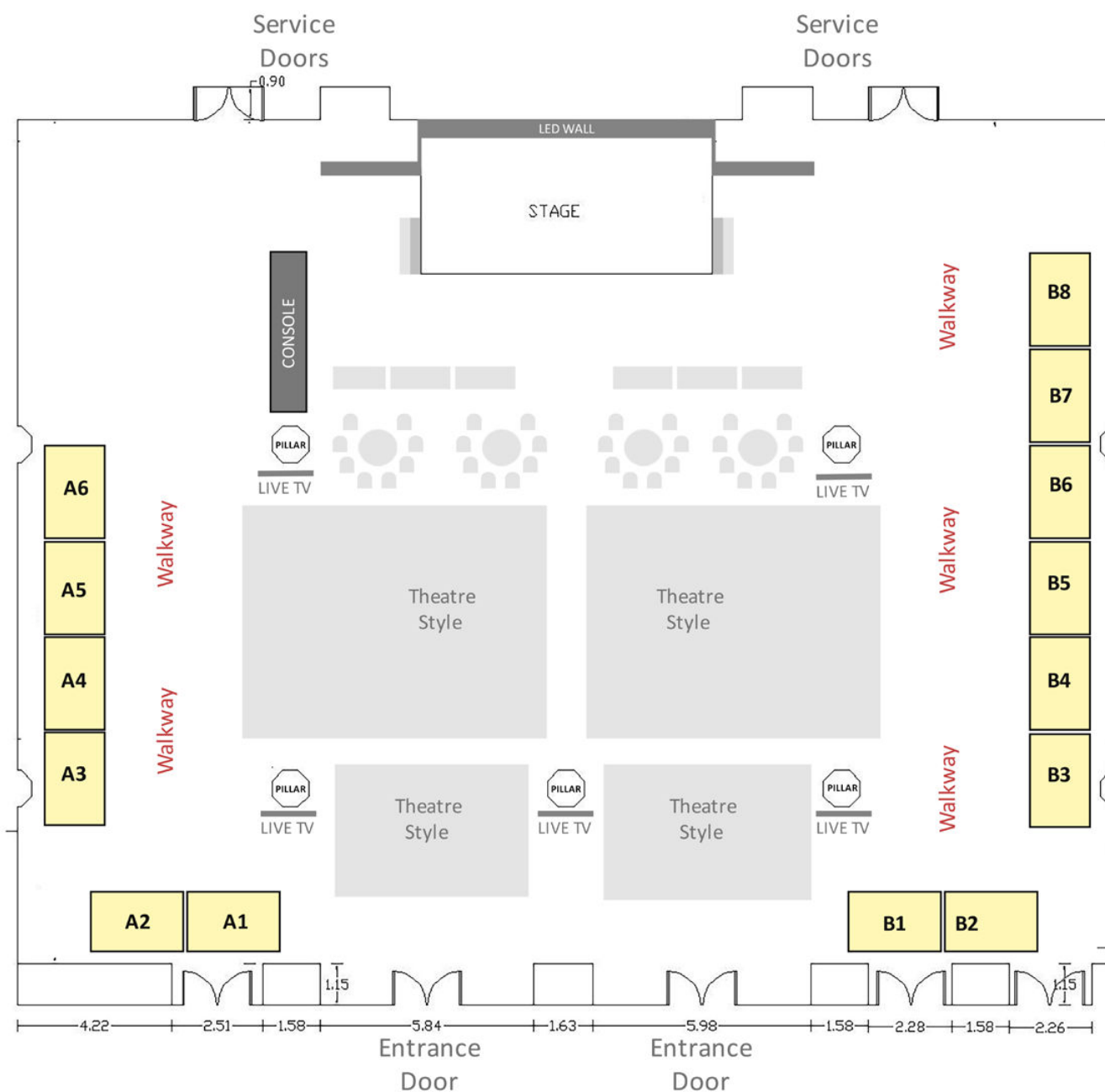
Delegate Fee

INR 7,500

You can make the payment by NEFT/RTGS
or Payment Gateway

Please note: 18% GST applicable on base tariffs.

EXHIBITOR STALL LAYOUT



2x3 Sq Mtr
Octonorm Stall

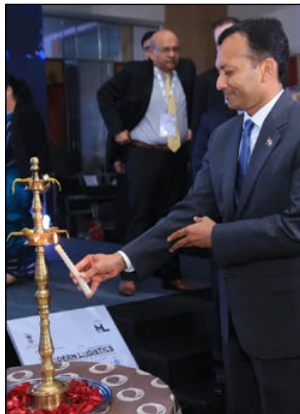
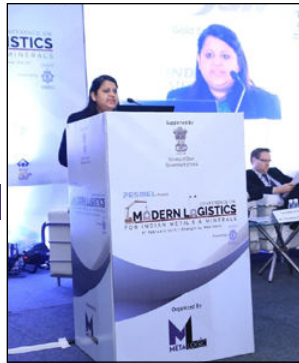
INR 80,000 +18% GST

You can make the payment by **NEFT/RTGS**



CONFERENCE RECAP

1.0



5th Feb 2019



Delhi is also the **“Heart of India.”**

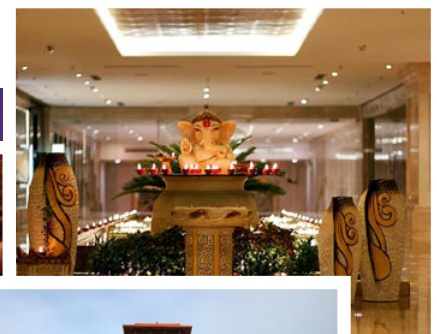
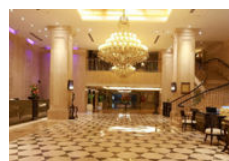
Delhi is a beautiful city and it is the capital of India. It is an old city because it has many buildings that were built during the ancient time. Delhi has two parts one is old Delhi which is built during the Mughal period and New Delhi which has many beautiful parks and big new buildings. It has India Gate, Qutab Minar, Jama Masjid, and Parliament house. Many tourists across the world come to visit these places. Prime Minister hoists the national flag on the Red Fort on Independence Day and republic day.

ABOUT THE VENUE

The Ashok Chanakyapuri, New Delhi

Located in the capital city of India, The Ashok offers a host of facilities such as an outdoor swimming pool, spa and wellness centre and a fitness centre.

The hotel is **2 km** from Rashtrapati Bhavan and **5 km** from India Gate. The New Delhi Railway Station is **9 km** away while the Delhi International Airport is **15 km** away.




No.	Tariff in INR	Tariff in USD	Please Tick (✓) On Your Choice
1	7,500	100	
2	15,000	200	
3	22,500	300	
4	30,000	400	

Please Note: GST additional on the above tariffs. The above tariff is non-negotiable.

Bank Details for Delegate Registration (RTGS/NEFT, Cheque or DD)	
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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Delegate Fee



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GENERAL TERMS & CONDITIONS

- 18% GST APPLICABLE ON THE ABOVE TARIFF.
- THE DELEGATE FEE IS NON-NEGOTIABLE.
- THE DELEGATE FEE IS NON-REFUNDABLE. THE NAME OF THE DELEGATE CAN BE REPLACED BY THE ALTERNATE DELEGATE ASSIGNED BY THE COMPANY.
- THE PAYMENT TO BE MADE 100% ADVANCE THROUGH THE PAYMENT GATEWAY/NEFT/CHEQUE/IMPS/RTGS OR PAYTM/GOOGLE PAY.

Contact

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