

NATIONAL CONFERENCE ON

MODERN LOGISTICS

FOR METALS & MINERALS 3.0



18th December 2025 | Le Meridien, New Delhi

Program Outline

9:00-9.45am

Delegate Registrations & Networking Session

9:45am -11:00am

Conference Inaugural Session

Welcome Note:

Industry Note:

Chief Guest:

Discussion Points:

- Government schemes (like Bharatmala) supporting infrastructure logistics
- PPP models for faster execution
- Financing and investment trends in infrastructure logistics
- Mega infrastructure projects transforming logistics

11.00-11.15am: Mementos to the dignitaries by Ms. Monica Bachchan Duvvuri, Founder & CEO
(Group Photo)

11:15am – 12:15pm (60 minutes) – Presentations

Session 1 – Slurry Pipeline – Scope, Challenges and Economics

Panel Discussion:

- 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.
- Economic & Environmental Advantages: Cost-effectiveness in long-distance bulk material movement.
- Regulatory & Land Acquisition Hurdles
- Technical Aspects & Challenges: Design and engineering considerations
- Safety protocols in transport and storage for underground construction

12:15- 12.30pm - Sponsored Presentation Slot 1

12:15am – 1:15pm (45 minutes) – Presentations & Panel

Session 2 – Factory Logistics, Warehouse Optimization & Material Handling

Discussion Points:

- Implementation of automated conveyor systems, robotic arms, and automated guided vehicles (AGVs) for efficient material movement within factories.

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- 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.
- Packaging
- 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.

1:15pm – 2:15pm - (Lunch Break & Networking Session)

2:15- 2.30pm - Sponsored Presentation Slot 2

2:30pm – 3:00pm (30 minutes) – Presentations

Session 3: Role of IOTs, AI and Drones in Supply Chain & Logistics

- Transport Management Systems and IOTs
- Harnessing the Power of Artificial Intelligence: Delving into the applications of AI in supply-chain operations, including predictive analytics, autonomous equipment operation, and real-time decision-making to enhance efficiency and productivity.
- Using AI, IoT, and Port Community Systems (PCS) to enhance visibility and coordination

3:00pm – 3:30pm (30 minutes) – Presentations

Session 4 – Bridges – Smart & Reliable Construction Techniques

Discussions Points:

- Types of Bridges: Beam, Arch, Suspension, Cable-Stayed, etc.
- Innovative Construction Techniques: Prefabrication, Accelerated Bridge Construction (ABC), etc.
- Sustainability in Bridge Construction: Green Materials, Life Cycle Assessment, etc.
- Importance of Bridge Maintenance & Inspection and Monitoring Techniques
- Challenges and Opportunities in the Future of Bridge Engineering

3:30pm – 4:00pm (30 minutes) – Discussion

Session 5 – Strengthening Last-Mile Connectivity in Steel & Mineral Logistics through Road Transport

Discussions Points:

- Trucks as the last-mile connectors between mines, plants, and customers
- Bridging gaps where rail or coastal routes aren't viable
- National Logistics Policy and Gati Shakti initiatives
- Visibility and transparency through e-logistics systems

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4:00pm – 4:45pm (45 minutes) – Discussions

Session 6 – Railways – Expanding Freight & Passenger Logistics

Discussions Points:

- Enhancing railway logistics corridors
- Role of dedicated freight corridors (DFC)
- Efficient rail transport for bulk commodities like iron ore, coal, bauxite, and other minerals
- Use of specialized containers (e.g., open-top containers) for heavy and oversized finished goods.
- Integration of railways with major mining and port terminals for seamless supply chain logistics.
- Public-private partnership opportunities

4:45pm – 5:30pm (45 minutes) – Discussions

Session 7 – Ports & Shipping

Discussions Points:

- Role of Port Operators in Cargo Efficiency
- Infrastructure upgrades for high-volume bulk cargo (iron ore, coal, steel).
- Integration of ports with rail and road corridors for last-mile connectivity.
- Strengthening coastal shipping as a sustainable alternative to road and rail.
- Policy support and incentives for coastal cargo movement.
- Aligning with India's maritime decarbonization goals

----- Day Ends-----