

Redefining Transportation: India's Approach to Low-Carbon Transport

22 – 23 August 2024 in Delhi, India

Forum on Freight Decarbonization: e-FAST India

Date and time: 23 August 2024, 14:45 – 16:15 (90 mins)

Organised by: GIZ and WRI

Moderators: Mr Amegh Gopinath and Ms Sharvari Patki

Chair: Mr Sudhendu Sinha

Session Description

Objective

The roundtable on the Forum on Freight Decarbonization: e-FAST India aims to bring key stakeholders and partners to develop actionable strategies for accelerating the decarbonization of freight transport in India. The discussion will focus on leveraging the e-FAST India initiative to identify data gaps, integrate road and rail freight movement, and share pilot and demonstration experiences to explore implementable solutions for the sector.

Format

The roundtable will adopt a collaborative approach, encouraging open dialogues and knowledge sharing among partners. The methodology will include:

- **Context Setting:** Presentation on freight decarbonization and ZETs to provide insights and set the context for discussions.
- **Discussion:** Representatives from the sector to explore challenges, opportunities, and best practices in freight decarbonization.
- **Interactive Q&A:** An open floor for partners to ask questions, share perspectives, and engage in constructive dialogue.

Session Flow

During the roundtable, partners will engage in discussions aimed at:

- **Identifying Key Challenges:** Understanding the barriers to freight decarbonization in India, including policy, infrastructure, and market dynamics.
- **Sharing Best Practices:** Learning from successful case studies and initiatives in freight electrification, both within India and globally.
- **Developing Actionable Strategies:** Collaborating to create a roadmap for scaling up electric freight vehicles and other low-carbon technologies in India, with a focus on aligning with national and global climate goals.

Contact

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The session is split across three priority areas (30 mins each) - **Avoid, Shift, Improve (ASI) in the context of freight:**

- **Avoid:** Using data, and other technologies to improve overall planning, efficiency, and digitalization of freight processes.
 - ❖ **Identify data needs:** Begin the discussion by identifying the data gaps in the freight and logistics sector, such as lack of real-time freight movement data, gender data, emissions data, logistics efficiency metrics, training and skill development areas.
 - ❖ **Utilizing data platforms:** How to utilize siloed data of Unified Logistics Interface Platform (ULIP), National Logistics Policy which will support the PM GatiShakti Initiative, City Logistics Plans (CLPs), E-waybill, GST billing for freight movement optimization
 - ❖ **Data types:** Effective utilisation of available data - E-Way Bills, Toll Records, GPS Tracking Data, GST Invoices, Vehicle Registration Data, Freight Forwarding Records, Customs Data, Logistics Performance Metrics, Transport Fuel Consumption Data, Market and Pricing Data, Road Crash and Incident Reports, Regulatory Compliance Data, and Environmental Impact Data, etc.
- **Shift:** Transitioning from road to rail
 - ❖ **Dedicated freight corridors:** Development of dedicated rail freight corridors to reduce the carbon footprint of freight transport by shifting it from road to rail.
 - ❖ **Multi-modal integration:** Optimization for time and cost efficiency for multi-modal transition to encourage modal shift
- **Improve:**
 - ❖ **Experiences from Demonstrations:** Learnings from demonstration projects and pilot corridors that are already being identified and under discussion, highlighting their outcomes and lessons learned.
 - ❖ **Integrated ZETs, Logistics and Charging Networks:** Mapping key logistics and multimodal hubs, along major freight corridors to support ZET operations and installing charging stations
 - ❖ **Focus on Scalability:** Discuss how these pilot projects can be scaled up across the country, with a particular focus on replicating success in different geographical and logistical contexts.
 - ❖ **Demonstration e-trucks available in the market:** Organising a national symposium as part of which the OEMs get to showcase and demonstrate the latest e-truck models available
 - ❖ **Modernization of freight fleets:** replacing aging diesel trucks with ZETs, supported by financing mechanisms and incentive programmes

Outcome: Expecting partners to suggest actionable solutions to address these challenges and drive progress in India's e-freight and logistics sector.

Partners: NITI Aayog, DPIIT – MoCI, GIZ, WRI, TERI, ICCT, Smart Freight Center, RMI, UC Davis, NRDC, WBCSD, CEEW, Safetipin, KfW, USAID, British High Commission, Agora, CPI Global, Shakti Foundation, SPA Delhi, C40, Climate Group, ERF, SIDBI