

Stakeholder Workshop on Preparing Roadmap for Fleet Electrification of Mail Motor Services, Department of Posts

Date and Time: January 9, 2024, 10:30 – 13:00 (IST) | **Venue:** Tamarind Hall, India Habitat Centre, Delhi

Background

As a part of India's Long-Term Low Emission Development Strategy, one of the key commitments is to develop an integrated, efficient, inclusive low-carbon transport system in the country.^[1] A special focus, within transport-related commitments, is 'electrification across multiple modes' indicating an increased focus on zero-emission vehicles in freight segment. The road freight movement in India, which holds 70% share in total freight movement, is highly dominated by diesel vehicles, contributing greatly to the air pollution.^[2]

The Department of Posts (DoP), Government of India, being one of the prominent organisations managing mail and parcel services across the country operates approximately 1500 mail motor vehicles through 103 mail motor service units. With the commitment towards low-carbon development, TERI is delighted to support DoP for '**Preparing Fleet Electrification Roadmap for Mail Motor Services (MMS)**', for six metro cities: Ahmedabad, Chennai, Delhi, Hyderabad, Kolkata, and Mumbai.

Objectives of the Workshop

The key motive of the workshop is to bring key stakeholders in the EV ecosystem ranging from OEMs, charging infrastructure providers, solar rooftop solution providers, and CSOs on one platform and discuss the possible pathways for transition of MMS operations. The workshop will play a critical role in finalizing the Roadmap and Technical Terms of Reference (ToR) for EV procurement.

- **To Present the Total Cost of Ownership of current technology and electric vehicles**
TERI has conducted extensive ground research, collected data from 6 cities, and conducted technical analysis (total cost of ownership - ICE vis-a-vis EV for specific use cases and models, emission savings, etc.) to assess the viability of the transition. Key outcomes from the analysis will be presented and discussed.
- **To Present Draft Roadmap of Electrification for MMS Operations prepared by TERI**
Based on the current age profile of the MMS vehicles and TCO calculations, TERI has developed a phase wise EV transition scenario. The draft roadmap will be discussed, and the floor will be opened for the discussions.



- **To Discuss Potential Challenges and Solutions for Transition**

Key concerns related to EV transition from DoP as well as TERI will be discussed with OEMs, charging service providers, and other related stakeholders.

- **To Finalize Technical ToR for EV Procurement (passenger and commercial)**

The workshop also aims to discuss the suitability of available EV models for MMS operations, scope of customization/modifications, setting up of charging infrastructure, etc.

Key Stakeholders

- Department of Posts
- Mail Motor Service (key circles)
- Electric Vehicle Service Providers
- OEMs
- EV Battery and Charging Infrastructure Providers
- Solar Rooftop Service Providers
- CSOs, Thinktanks
- Technical and Transport Experts

For any queries/ confirmation please connect: viral.joshi@teri.res.in , sharif.gamar@teri.res.in

