

## Capacity Building Training (CBT) programme under PM-eBus Sewa Scheme

Capacity Building Training (CBT) programme under PM-eBus Sewa Scheme was organised by Ministry of Housing and Urban Affairs (MoHUA) on 16th and 17th January 2025 at the Central Institute of Road Transport (CIRT), Pune.



60 + Participants from 23 cities of Maharashtra and 1 city of Assam participated in the workshop.



The program was divided into 8 sessions over 2 days: -

1. Session 1:
  - Provided an overview of the PM-eBus Sewa scheme.
  - Presented progress made by Assam and Maharashtra.
2. Session 2:
  - Focused on the institutional framework for efficient operations.
  - Discussions on revenue generation through farebox and non-farebox streams and potential areas for improvement.
3. Session 3:
  - Enhanced understanding of eBus technology and safety compliance as per CMVR guidelines.
  - Shared insights into critical safety standards and technology selection criteria.
4. Session 4:
  - An introduction to GCC model with roles and responsibilities for cities and operators.
  - Discussed concession agreements, tender conditions, and essential clauses to review before finalizing agreements.
5. Session 5:
  - Presented the Performance Security Mechanism (PSM).
  - Addressed challenges and highlighted successful practices in Assam and Maharashtra.
6. Session 6:
  - Provided a roadmap for sustainable implementation strategies, focusing on long-term planning.
7. Session 7:
  - Addressed the planning and monitoring of city eBus services.
  - Conducted a hands-on activity for calculating eBus demand, route identification, fleet size calculation, and ensuring operational efficiency.
8. Session 8
  - Focused on ground-level challenges, including planning, scheduling, and optimizing bus operations.
9. Site Visit:
  - A visit to the PMPML Baner Electric Bus Depot in Pune.
  - Participants explored on-ground operational practices and observed charging infrastructure and depot management systems.





#### Key Discussions and Feedback:

- An open forum followed the sessions, encouraging active participation:
  - Representatives from Assam and Thane raised concerns about meeting assured kilometres under scheme guidelines.
  - Officials from Nagpur and Kalyan Dombivli sought clarity on the selection process for drivers and backend staff.



#### Outcome:

The workshop empowered participants with practical knowledge, tools, and frameworks to implement eBus operations effectively. City officials were encouraged to:

- Share learnings with colleagues.
- Adapt strategies to their respective urban contexts.

The event concluded successfully, fostering meaningful discussions and creating a platform for shared learning among cities committed to advancing sustainable urban mobility under the PM-eBus Sewa Scheme.

Agenda  
Capacity-Building Training Program under PM-eBus Sewa Scheme  
Date- 16<sup>th</sup> & 17<sup>th</sup> January 2025 || Venue- CIRT Pune

<b>Day 1- 16<sup>th</sup> January 2025</b>		
<b>Session 1</b>	<b>Inaugural Session</b>	<b>Speaker</b>
10:00 - 10:05	Opening Remark	Shri. Abhishek Gupta, Team Leader, IUT / Shri. Ram Paunikar, Dy. Team Leader, IUT
10:05 - 10:10	Address by	Dr. Devendra Singh, Director, CIRT
10:10 - 10:15	Address by	Shri. Bhanu Pratap Singh Bhadoria, Director MoHUA
10:15 - 10:20	Address by	Smt. Deepa Mudhol Mundhe (IAS), CMD - PMPML
10:20 - 10:30	Special Address	Dr. Surendrakumar Bagde (IAS), Director General, National Centre for Good Governance (NCGG)
10:30 - 10:40	Key-Note Address	Dr. K.H. Govinda Raj (IAS), Pr. Sec. UD-II, HUDD, Maharashtra
10:40 - 10:45	Context Presentation (PM-eBus Sewa & Participation of Assam & Maharashtra)	Shri Amandeep Kumar, Senior Transport Planner, IUT
10:45 - 11:10	Hi-Tea & Photo Session	
<b>Session 2</b>	<b>Governance Framework</b>	
11:10 - 11:40	Institutional framework for City Bus Services	Shri. Chintan Daftardar, Program Head, WRI India
<b>Session 3</b>	<b>E-Bus Technology and Safety</b>	
11:40 - 12:20	E-Bus Technology - Safety Compliance as per CMVR	Shri. S.N. Dhole, Head Technical Secretariat, CIRT & Dr. Reuben Buthello, Bus Expert, WRI India
12:20 - 12:40	E-Bus Technology - Safety in Operations	Representative JBM
<b>Session 4</b>	<b>PM-eBus Sewa Aggregated Tender and Concession Agreement</b>	
12:40 - 13:20	<b>Gross Cost Contract (GCC) – Wet Lease Model</b> <ul style="list-style-type: none"> <li>- Roles and Responsibilities of City and</li> <li>- Operator in GCC Model</li> <li>- Aggregated Tender Concept</li> <li>- Outline of PM-eBus Sewa Tender</li> </ul>	Shri. Rajneesh Rana, Head-Convergence, CESL / Venkat Srinivas Head-E-Bus, CESL
13:20 - 14:20	Lunch Break	
14:20 - 15:30	<b>Understanding Concession Agreement</b> <ul style="list-style-type: none"> <li>- Structure of Concession Agreement</li> <li>- LOI/LOA and Agreement</li> <li>- Performance Security</li> <li>- Scope of Services</li> <li>- Prototype Testing</li> <li>- Commencement of Services</li> <li>- Service KPIs</li> <li>- Monitoring of Services</li> <li>- Substitution</li> <li>- Suspension or Termination</li> <li>- Terms for closure of Concession period</li> </ul>	Representative from CESL

15:30 - 15:45	Tea Break	
<b>Session 5</b>	<b>Payment in GCC model</b>	
15:45 - 16:30	<b>Payment to Operator</b> <ul style="list-style-type: none"> <li>- Terms of Payment</li> <li>- Invoicing &amp; Payment Method</li> <li>- PSM Process</li> </ul>	Representative from CESL
<b>Session 6</b>	<b>Way Ahead &amp; Prototype Testing</b>	
16:30 - 16:45	Steps Ahead: LOA to Prototype	Representative from CESL
16:45 - 17:30	CIRT Lab Testing Lab	CIRT and IUT

<b>Day 2 – 17<sup>th</sup> January 2025</b>		
<b>Session 7</b>	<b>Planning for Bus Services</b>	
10:00 - 10:05	Debriefing of Day 1	Shri Amandeep Kumar, Senior Transport Planner, IUT
10:05 - 11:05	E-Bus Services Planning & Monitoring of City Bus Services	Shri. Chintan Daftardar, Program Head, WRI India
11:05 - 11:20	Tea Break	
11:20 - 12:40	Hands on activity for E-bus service planning	Shri. Ashutosh Ojha, Senior Program Associate, WRI, Smt. Priti Shukla, Program Manager, Shakti Sustainable Energy Foundation
12:40 - 13:25	Preparation of Bus and Crew Duty Schedules for eBuses	Shri. Victor Nangaonkar, Bus Expert, ex-BEST officer
13:25 - 14:15	Lunch	
<b>Session 8</b>	<b>Sharing Experience with e-Buses</b>	
14:15 - 15:30	Site Visit to e-Bus Depot	IUT & PMPML
15:30 - 16:15	Open Forum	Shri. Prashant Kakade, Manager & Co-Ordinator MDC, CIRT & Shri. Ram Paunikar, Dy. Team Leader, IUT
16:15 - 16:30	Closing Remark	Shri. Ram Paunikar, Dy. Team Leader, IUT
16:30 - 17:00	High-Tea & Networking	
<b>Closure of the Workshop</b>		

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