



PM-eBus Sewa

For Prelims: PM-eBus Sewa, [Electric Buses](#), Public-Private Partnership (PPP), [E- Mobility](#), National Common Mobility Card, [Greenhouse Gas](#).

For Mains: PM-eBus Sewa, its significance in sustainable mobility and GreenHouse Gas Reduction.

[Source: TH](#)

Why in News?

The Indian Cabinet has approved the "PM-eBus Sewa" scheme, aiming to bolster city bus operations by introducing 10,000 [Electric Buses](#) through a Public-Private Partnership (PPP) model.

What is PM-eBus Sewa?

- **About:**
 - It aims to enhance urban **transportation efficiency** and promote **Environmentally-Friendly Practices**.
- **Segment A: Augmenting City Bus Services (169 cities):**
 - This segment is dedicated to **strengthening urban transportation by 10,000 e-buses** under the PPP model.
 - The initiative recognizes that efficient operations require the development or upgrading of **depot infrastructure, alongside the creation of essential behind-the-meter power infrastructure** like substations to accommodate the electric buses.
- **Segment B: Green Urban Mobility Initiatives (181 cities):**
 - This segment includes **enhancing bus priority, improving infrastructure**, establishing multimodal interchange facilities, implementing **NCMC (National Common Mobility Card)-based Automated Fare Collection Systems**, and building necessary charging infrastructure.
 - By integrating these sustainable practices, the **scheme aims to transform urban mobility landscapes**.
- **Target Population and Unreached Areas:**
 - The scheme will encompass **cities with populations of three lakh and above**, based on the 2011 census data.
 - This comprehensive approach includes **all Capital cities of Union Territories, regions in the North Eastern part of the country, and hilly states**.
 - A significant highlight of the scheme is its **focus on cities lacking organized bus services**, making it an effort to bridge the urban mobility gap.
- **Operation and Facilitation:**
 - The operational aspect of the scheme places the **responsibility on states and cities** to manage and sustain the bus services while making payments to the appointed bus operators.
 - The Central Government's role is to facilitate and support these operations by providing **subsidies as outlined in the scheme**.

What is the Significance of the Scheme?

- **Employment Opportunity:**
 - The scheme is projected to create a direct employment opportunity surge, with an **estimated range of 45,000 to 55,000 jobs.**
 - This boost will **stem from the deployment of electric buses** in city bus operations, contributing to **economic growth while addressing pressing urban mobility needs.**
- **Boosting E-Mobility:**
 - It seeks to propel the **adoption of E-Mobility, underpinned** by comprehensive support for the requisite behind-the-meter power infrastructure.
 - Furthermore cities will receive **backing for the development of crucial charging infrastructure** as part of the **Green Urban Mobility Initiatives.**
 - This holistic approach not only accelerates the adoption of energy-efficient electric buses but also **drives innovation within the e-mobility sector.**
- **Environmental Impact and GHG Reduction:**
 - The shift towards electric mobility is projected to have profound environmental benefits.
 - By reducing noise and air pollution and **curbing carbon emissions,** the scheme aligns with **broader sustainability goals.**
 - The increased utilization of bus-based public transportation will also lead to a modal shift, further contributing to the **reduction of Greenhouse Gas (GHG) Emissions.**

What are the Government Initiatives to Promote E-Mobility?

- [Faster Adoption and Manufacturing of Electric Vehicles \(FAME\)scheme II](#)
- [National Electric Mobility Mission Plan \(NEMMP\)](#)
- [National Mission on Transformative Mobility and Battery Storage](#)
- [Production Linked Incentive \(PLI\) scheme](#)
- [Vehicle Scrappage Policy](#)
- [Go Electric campaign](#)

Way Forward

- The "PM-eBus Sewa" scheme stands as a **pivotal initiative in promoting sustainable urban mobility and electric** vehicle adoption.
- With its multi-faceted approach spanning direct employment generation, infrastructure development, and environmental conservation, the scheme **exemplifies India's commitment to creating resilient and eco-friendly urban transportation** systems.
- This forward-thinking strategy is set to have far-reaching implications for both urban development and environmental stewardship.