

Briefing Note to Minister

Government of the Department of Transport Briefing Note for the Minister of Transport

Date: October 28, 2024

Subject: Implementation of Urban Electric Vehicle (EV) Charging Stations

Purpose:

- To obtain the Minister's approval for the proposed national rollout plan for electric vehicle charging stations in urban areas.

Background:

- With the increasing adoption of electric vehicles, there is a pressing need to expand the infrastructure for EV charging across urban centers. The proposed initiative aligns with the government's environmental policy to reduce carbon emissions by 40% by 2030.

Current Status:

- A pilot project in the capital city has resulted in a 15% increase in EV usage. Feedback from EV owners indicates a high satisfaction rate due to improved accessibility to charging stations.

Considerations:

- **Advantages:**
 - Supports the transition to greener transportation.
 - Likely to stimulate further adoption of EVs in urban populations.
 - Potential to attract investments in green technologies.
- **Challenges:**

- High initial infrastructure and maintenance costs.
- Coordination required with local governments for space and permits.
- Need for robust grid management to support increased electricity demand.

Options/Recommendations:

1. **Option 1:** Implement the national rollout as planned, beginning with major cities and expanding to smaller urban areas within five years.
2. **Option 2:** Stage the rollout based on EV adoption rates, prioritizing cities with higher current usage.
3. **Recommendation:** Adopt Option 1 to maintain momentum and ensure infrastructure keeps pace with expected growth in EV usage.

Conclusion:

- Immediate approval of the national rollout plan for EV charging stations will facilitate a smoother transition to electric vehicles, support environmental targets, and enhance urban transport infrastructure.

Attachments:

- Map of Proposed EV Charging Stations
- Cost-Benefit Analysis of EV Station Rollout
- Survey Results from EV Users in the Pilot City