Briefing Note to Minister

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**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