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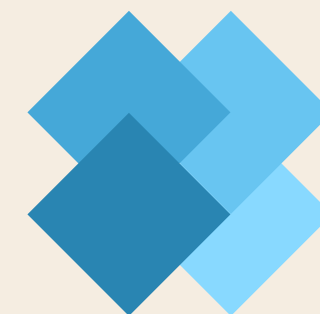
Case Study



India EV Future: State Leadership in Adoption & Infrastructure

Published By:

Global Matrix Survey



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Agenda

Target Audience

Policymakers, EV manufacturers, infrastructure providers, environmental groups.

Sample Size

Data gathered from leading states: Maharashtra, Delhi, Tamil Nadu, Gujarat.

Length

5 weeks

Methodology

Data aggregation, regional comparison, infrastructure analysis.

Trivia

By 2030, India aims for 1.6 crore annual EV deployments, with Maharashtra and Delhi leading the charge.



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Objective

- Key Focus: State-wise leadership in EV adoption and charging infrastructure development.
- To identify which states are leading in EV adoption and charging infrastructure.
- To analyze the impact of state-level policies on EV growth.
- To explore the challenges and provide recommendations for other regions.

Approach & Method

Approach

- **Data Collection:** Compiled sales, infrastructure, and TCO data from top EV states like Maharashtra, Delhi, Tamil Nadu, and Gujarat.
- **Regional Focus:** Focused on urban and rural adoption trends, infrastructure gaps, and policy effectiveness in these states.
- **Stakeholder Alignment:** Engaged with policymakers and industry leaders to assess the impact of regional policies on EV adoption.

Methodology

- **Comparative Analysis:** Evaluated the performance of each state in terms of EV growth and charging infrastructure.
- **Predictive Modeling:** Used AI-based forecasting to predict the long-term trends and identify key areas for infrastructure expansion.
- **Stakeholder Interviews:** Gathered insights from local governments, manufacturers, and infrastructure developers to understand challenges and opportunities.





Solution

Key Insights:

- Maharashtra: Leading in manufacturing and sales, with the highest number of charging stations.
- Delhi: The lowest charging tariffs and high EV adoption rates due to strong incentives.
- Tamil Nadu: A hub for EV manufacturing, attracting major global players.
- Gujarat: Focused on developing EV infrastructure along key highways.

Outcome:

- Regional leaders like Delhi, Maharashtra, and Tamil Nadu are setting benchmarks for other states, accelerating India's transition to electric mobility.

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