



माझी वसुंधरा
अभियान

सातारा नगरपरिषद, सातारा



ULB CODE: 802869
DISTRICT: SATARA

A Report on
2.3.3
CITY EV READINESS
DURING MAJHI VASUNDHARA
ABHIYAN 6.0



**SWACHH
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STAR RATING





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DETAILED PROJECT REPORT (DPR)

City EV Readiness Plan & EV Charging Infrastructure Development Satara Municipal Council, Satara



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1. Executive Summary

This Detailed Project Report (DPR) has been prepared by Satara Municipal Council for promoting Electric Vehicles (EV) and developing EV Charging Infrastructure within the municipal limits.

The project aims to reduce carbon emissions, improve air quality and promote sustainable urban mobility. The plan includes installation of EV charging stations at strategic public locations within the city.

The DPR outlines the planning strategy, infrastructure requirements, implementation framework, environmental benefits and estimated project cost.

2. Introduction

Urban transportation is a major contributor to air pollution and greenhouse gas emissions. Adoption of electric mobility is one of the key strategies for reducing environmental pollution.

In this context, Satara Municipal Council proposes to develop EV charging infrastructure to support the transition towards electric mobility.

The initiative is aligned with the objectives of:

- Maharashtra Electric Vehicle Policy
- Environmental sustainability initiatives
- Clean energy promotion programs

3. Objectives of the Project

The project has the following objectives:

1. Promote adoption of Electric Vehicles in Satara city.
2. Reduce vehicular emissions and air pollution.
3. Develop EV charging infrastructure in public areas.
4. Encourage private investment in EV ecosystem.
5. Support sustainable and environmentally friendly transportation.





4. City Profile

Particular	Details
City	Satara
Local Body	Satara Municipal Council
District	Satara
State	Maharashtra
Population	231885
Municipal Area	26.55 Sq. Km

Satara is an important administrative and commercial city in the region. With increasing urbanization and vehicle usage, it is necessary to promote clean transportation solutions.

5. Existing Transport Scenario

Currently the transport system in the city mainly consists of:

- Two-wheelers
- Cars
- Auto rickshaws
- Public transport vehicles

However, EV charging infrastructure is currently limited within the municipal jurisdiction.

Key challenges include:

- Lack of public charging infrastructure
- Limited awareness about EV adoption
- Need for strategic planning for charging stations

6. Constitution of EV Cell

To implement EV related initiatives effectively, Satara Municipal Council has constituted an Electric Vehicle (EV) Cell.





The EV Cell will be responsible for:

- Planning EV infrastructure
- Coordination with electricity distribution companies
- Monitoring implementation of EV projects
- Promoting EV adoption among citizens

7. Identification of EV Charging Locations

Based on accessibility, land availability and traffic movement, the following locations are proposed:

Sr No	Location	Type of Charger
1	Municipal Parking Area	Fast Charger
2	Bus Stand Area	Fast Charger
3	Market Area	Medium Charger
4	Tourist Area	Medium Charger
5	Government Office Parking	Slow Charger

These locations are suitable due to high vehicle movement and availability of municipal land.

8. Technical Specifications

The proposed EV charging stations may include:

- Fast Chargers (DC)
- Medium Chargers (AC)
- Slow Chargers (AC)

Each station will include:

- Charging equipment
- Electrical connection
- Parking space
- Safety infrastructure





9. Implementation Strategy

The project will be implemented through the following steps:

1. Identification of suitable land.
2. Technical feasibility assessment.
3. Coordination with electricity distribution company.
4. Selection of implementation model (PPP / Private operator).
5. Installation of EV charging stations.
6. Monitoring and reporting by EV Cell.

10. Environmental Benefits

Implementation of EV charging infrastructure will result in:

- Reduction in air pollution
- Reduction in carbon emissions
- Promotion of clean energy
- Contribution to climate change mitigation

11. Project Timeline

Activity	Timeline
Site Identification	1 Month
DPR Approval	1 Month
Installation Work	3 Months
Commissioning	1 Month
Total project duration: 6 months	

13. Monitoring and Evaluation

The project will be monitored by the EV Cell constituted by Satara Municipal Council.





Periodic review meetings will be conducted to ensure:

- Timely implementation
- Efficient operation of charging stations
- Compliance with government policies

14. Conclusion

The proposed EV Charging Infrastructure project will support the transition towards electric mobility and sustainable urban transport in Satara city.

The project will contribute towards environmental protection, reduction of emissions and achievement of sustainable development goals.

Annexures

Annexure A – EV Cell Member List

Annexure B – Proposed Location Map

Annexure C – Photographs of Proposed Sites

Annexure D – Cost Estimate Sheet



(अभिजीत बापट)
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