



EXPANSION AND FUTURE PROSPECTS OF ELECTRIC TWO WHEELERS IN DELHI NCR

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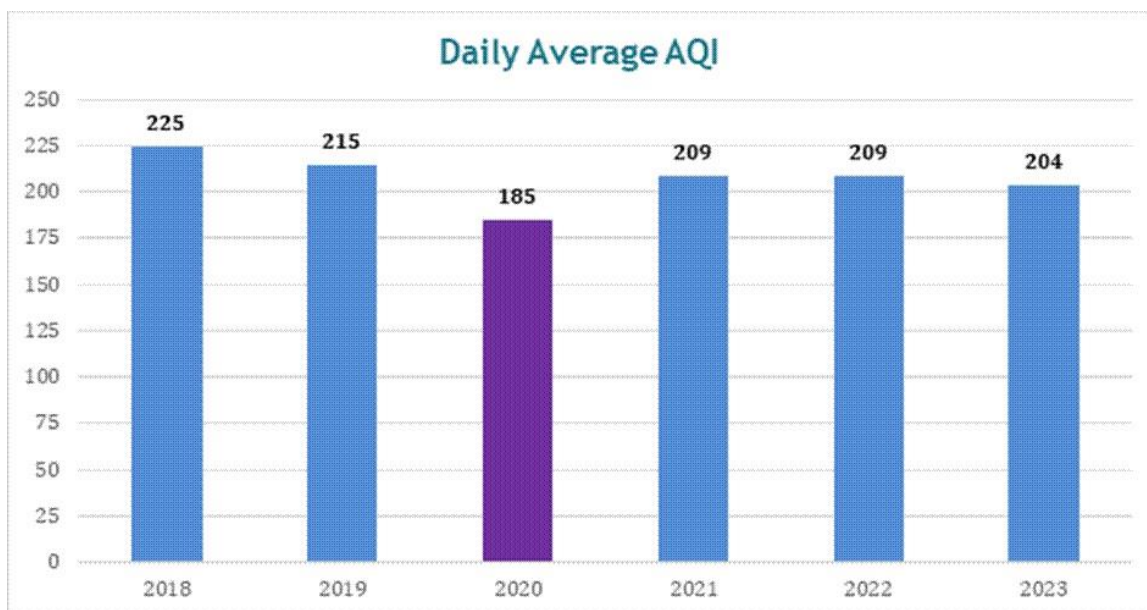
ABSTRACT :

This study explores the growth and future potential of electric two-wheelers (E2Ws) in Delhi NCR. Rising pollution, fuel costs, and government support through schemes like FAME are driving E2W adoption. The region shows promising prospects due to increasing consumer awareness, improving infrastructure, and active participation by manufacturers. Despite challenges like limited charging stations and battery issues, Delhi NCR is poised to become a key hub for electric mobility in India.

1. Overview

Overview of Delhi NCR Air Pollution:

This section covers important topics such as the most recent developments, statistical analysis, and the market implications for electric two-wheels in Delhi NCR. Government regulations, technical developments, and industry difficulties are also highlighted.

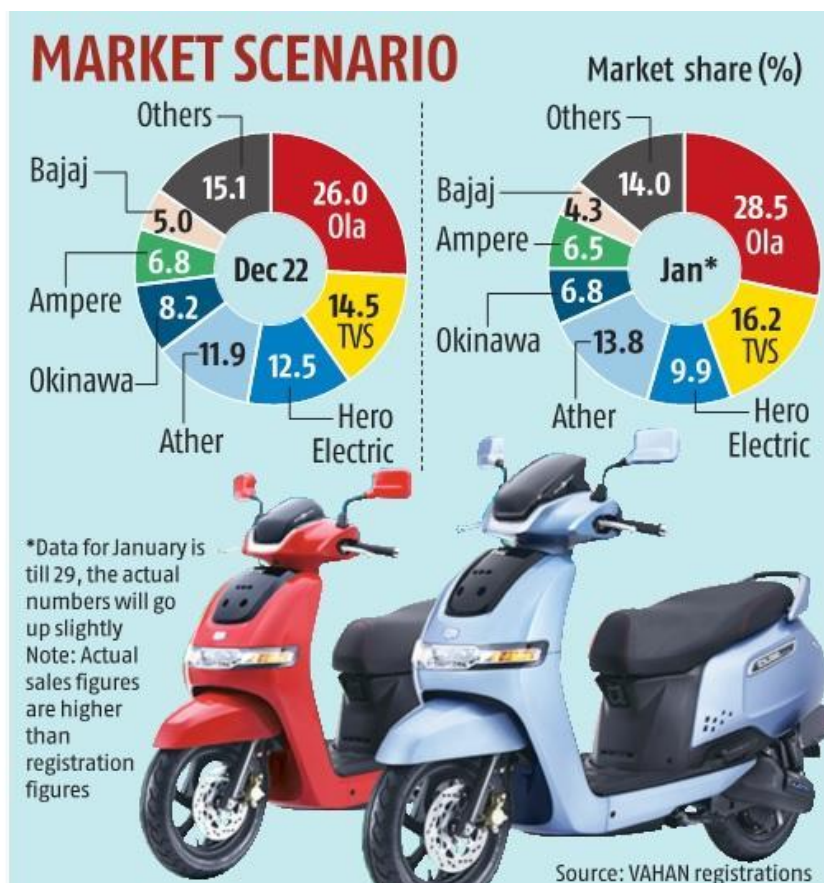


Two-seater Significance in Urban Mobility:

This section covers important topics like the most recent trends, statistical analysis, and ramifications for the Delhi NCR electric two-wheeler business. Government regulations, technical developments, and industry difficulties are also highlighted.

Study Purpose and Scope:

In this section, important topics are covered, including current trends, statistical analysis, and implications for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlight

**2. India's Electric Two-Wheeler Development****1. National Initiatives and Policies:**

Important topics covered in this section include up-to-date trends, statistical analysis, and consequences for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlighted.

Market Growth Trends:

Important topics covered in this section include the most recent trends, statistical analysis, and ramifications for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlighted.

3. Delhi NCR: An Important Center for E2W Uptake**Demographics and Urbanization:**

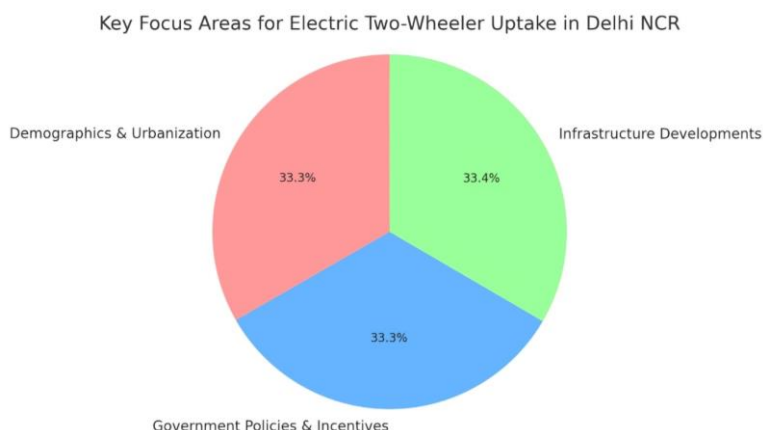
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Government Policies and Incentives:

Important topics covered in this part include current trends, statistical analysis, and consequences for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlighted.

Infrastructure Developments:

Important topics like present trends, statistical analysis, and ramifications for the Delhi NCR electric two-wheeler market are covered in this part. Government regulations, technical developments, and industry difficulties are also highlighted.

4. The dynamics of the Delhi NCR market
***Important Players and the Market Share:***

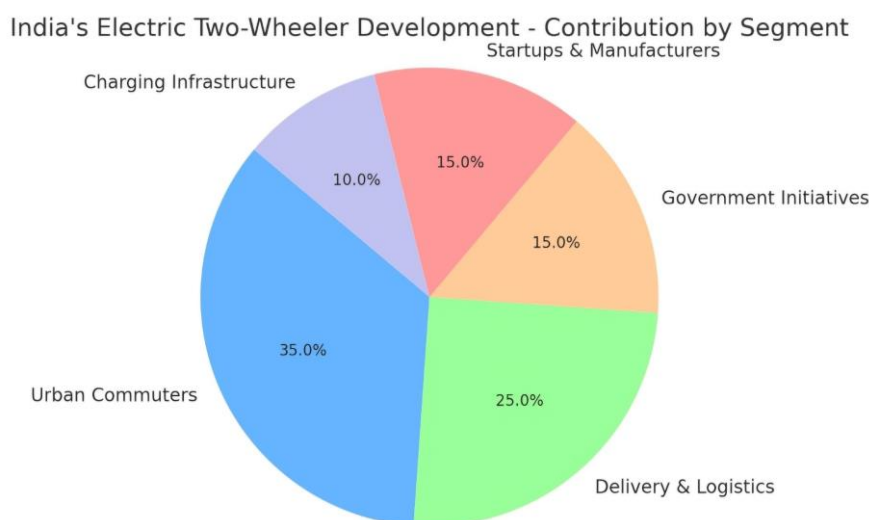
This part covers important topics including the most recent trends, statistical analysis, and ramifications for the Delhi NCR electric two-wheeler market. It also emphasizes the difficulties the industry encounters, new developments in technology, and government regulations.

The behavior and preferences of consumers:

This section covers important topics like the most recent trends, statistical analysis, and the market implications for electric two-wheels in Delhi NCR. It also emphasizes the difficulties the industry encounters, new developments in technology, and government regulations.

Sales and Registration Data

Important topics covered in this section include current trends, statistical analysis, and implications for the Delhi NCR electric two-wheeler market. It also emphasizes the difficulties the industry encounters, new developments in technology, and government regulations.



5. Developments in Technology

Battery Technology:

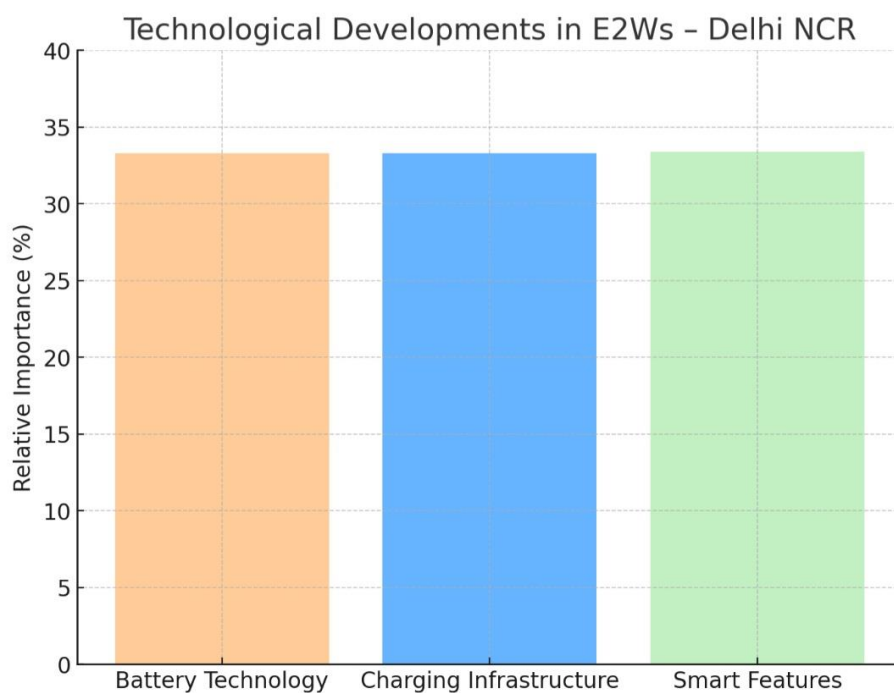
Important topics covered in this section include current trends, statistical analysis, and implications for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlighted.

Charging Infrastructure

Important topics covered in this part include current trends, statistical analysis, and consequences for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlighted.

Smart Features

Important topics like current trends, statistical analysis, and ramifications for the Delhi NCR electric two-wheeler market are covered in this section. Government regulations, technical developments, and industry difficulties are also highlighted.



6. Case Study: Ather Energy

Ather Energy is a leading Indian electric vehicle (EV) company founded in 2013 by IIT Madras alumni Tarun Mehta and Swapnil Jain. Headquartered in Bengaluru, Ather designs smart electric scooters like the *Ather 450X*, *450S*, and the newly launched *Rizta*—known for their advanced features, strong performance, and connectivity.

The company has developed its own charging network, *Ather Grid*, across 80+ cities and also runs experience centers called *Ather Space*. In 2025, Ather successfully launched its IPO to fund expansion and R&D, aiming to become a major force in India's growing electric mobility sector.

Market Performance:

Ather Energy's IPO raised ₹2,981 crore but had a weak market debut, with shares closing below the issue price. The company showed strong revenue growth (29% in Q4 FY25) and reduced losses but remains unprofitable. Its stock price has been volatile and slightly below the IPO price. Future success depends on scaling production and improving profits in the competitive EV market.

7.Effects on the Economy and Environment
Cost Analysis:

Important topics covered in this section include current trends, statistical analysis, and implications for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlighted.

Employment Opportunities

Important topics including present trends, statistical analysis, and ramifications for the Delhi NCR electric two-wheeler sector are covered in this part. Government regulations, technical developments, and industry difficulties are also highlighted.

Advantages for the Environment

Important topics covered in this part include statistical insights, current trends, and consequences for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlighted.

8. Difficulties and Obstacles
Infrastructure Limitations

This part examines significant elements such as the present trends, statistical insights, and consequences for the Delhi NCR market for electric two-wheels. Government regulations, technical developments, and industry difficulties are also highlighted.

Financial Constraints

Important topics covered in this section include current trends, statistical analysis, and consequences for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlighted.

Regulatory Hurdles

Important topics covered in this part include statistical insights, current trends, and consequences for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlighted.

9. Prospects for the Future and Suggestions

Industry Projections

Important topics including present trends, statistical analysis, and ramifications for the Delhi NCR electric two-wheeler industry are covered in this part. Government regulations, technical developments, and industry difficulties are also highlighted

Policy Recommendations

In this section, important topics are covered, including the most recent developments, statistical analysis, and consequences for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlighted.

Industry Collaboration

Important topics like current trends, statistical analysis, and ramifications for the Delhi NCR electric two-wheeler market are covered in this part. Government regulations, technical developments, and industry difficulties are also highlighted.

10.Future Prospects

The electric vehicle market is rapidly growing due to technological advances, government incentives, and rising environmental concerns. Global EV sales are expected to exceed 20 million in 2025, led by China, Europe, and the U.S. Battery improvements and expanding charging infrastructure boost adoption. Challenges like policy uncertainty and infrastructure gaps remain, but overall, the EV market is set for strong growth and a sustainable future in transportation.

- Global EV sales expected to exceed 20 million units by 2025.
- China leads with strong government support and high sales.
- Europe and the U.S. show steady growth with subsidies and charging infrastructure.
- Advances in battery tech reduce costs and improve range.
- Charging networks expanding to ease range anxiety.
- Challenges include policy uncertainty and infrastructure gaps.

11. In Conclusion

Summary of Findings

Important topics covered in this section include current trends, statistical analysis, and implications for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlighted.

Final Thoughts

Important topics covered in this section include the most recent trends, statistical analysis, and ramifications for the Delhi NCR electric two-wheeler market. Government regulations, technical developments, and industry difficulties are also highlighted.



REFERENCES :

1. International Energy Agency. (2023). Global EV Outlook 2023. Retrieved from <https://www.iea.org/reports/global-ev-outlook-2023>
2. BloombergNEF. (2024). Electric Vehicle Outlook 2024. Retrieved from <https://about.bnef.com/electric-vehicle-outlook/>
3. McKinsey & Company. (2023). How the electric-vehicle market is driving a transition in the automotive industry. Retrieved from <https://www.mckinsey.com/industries/automotive-and-assembly/our-insights/how-the-electric-vehicle-market-is-driving-a-transition-in-the-automotive-industry>
4. Reuters. (2025). Global EV sales surge amid government incentives and tech advances. Retrieved from <https://www.reuters.com/business/autos-transportation/global-ev-sales-surge-2025-05-15/>
5. IHS Markit. (2024). Electric vehicle market growth and future projections. Retrieved from <https://ihsmarkit.com/research-analysis/electric-vehicle-market-growth.html>