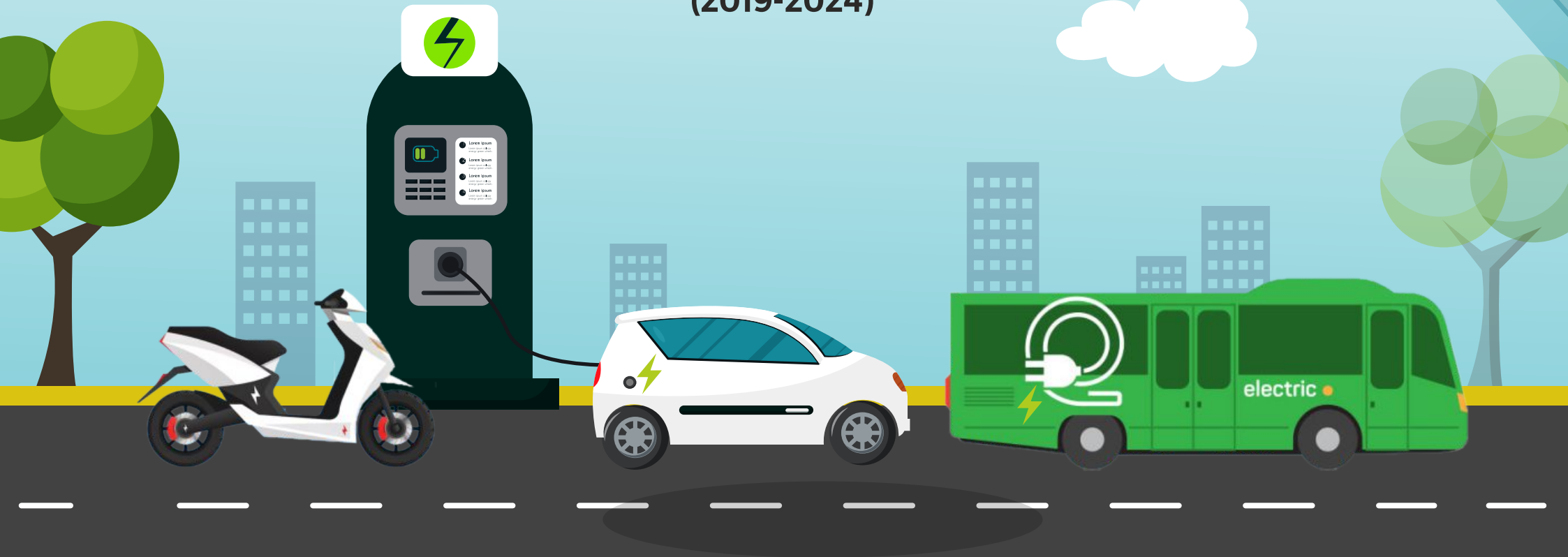




# THE JOURNEY OF E-MOBILITY FAME-II

Faster Adoption and Manufacturing of  
Hybrid and Electric Vehicles  
(2019-2024)



A Big Push towards  
**PM's Vision** of  
Sustainable Transportation  
under FAME Scheme



**In line with Hon'ble Prime Minister Narendra Modi ji's vision of achieving Net Zero by 2070, India is taking bold strides toward sustainable mobility.**

The Faster Adoption and Manufacturing of Hybrid and Electric Vehicles (FAME II) scheme, plays a pivotal role in realizing this vision. By promoting the adoption of electric vehicles (EVs), FAME II aims to create a cleaner, greener future for India, where eco-friendly transportation options dominate the urban landscape.



# Objectives of FAME-II

1

To encourage adoption of electric and hybrid vehicles by the way of market creation, demand aggregation and other related activities.

2

To promote domestic technology for development of electric vehicles and its components ecosystem.

3

To promote manufacturing of Zero Emission Vehicles (ZEV) and hybrid vehicles within the country by the way of supporting manufacturing ecosystem.

4

Creating strong, globally competitive, viable and self-sustaining xEV industry.

5

To contribute to country's efforts for low emission intensive economy as agreed in COP 21.

6

To contribute for reduction of vehicular emission especially from cities.



# Outlay under FAME-II

| Category                | Ex factory/<br>showroom Price<br>(Rs. lakh) | No. of Vehicles<br>as per revised<br>Plan outlay | Revised<br>outlay<br>(Rs. Cr) |
|-------------------------|---|--|-------------------------------|
| e 2W                    | 1.50  | 15,50,225  | 5,311                         |
| e 3W                    | 5.00  | 1,55,536   | 987                           |
| e 4W                    | 15.00                                       | 30,461   | 750                           |
| e Buses                 | 200.00                                      | 7,262  | 3,209                         |
| EV PCS                  | --  | 7,580  | 839                           |
| <b>Total for above</b>  |   | <b>17,43,484</b>                                 | <b>11,096</b>                 |
| Others                  | --  | --   | 404                           |
| <b>Total for Scheme</b> |   | <b>17,43,484</b>                                 | <b>11,500</b>                 |



# Mass Mobility through E-Buses

A target of 7,090 e-buses with an outlay of ₹3,545 cr was earmarked under the FAME-II Scheme, e-buses were deployed on Gross Cost Contract basis through STUs. STUs were selected by inviting them through EOI dated 4th June 2019 for different cities on an operational cost model and 3,390 e-Buses were allotted to 15 States/ Union Territory.

Further EESL was nominated for aggregation of demand for E-Buses under FAME-II, in 9 major cities having population of over 4 million (Mumbai, Delhi, Bengaluru, Hyderabad, Ahmedabad, Chennai, Kolkata, Surat, and Pune) under the Scheme on OPEX basis. In response to the demand aggregation model carried by EESL through its subsidiary CESL, 3472 e-Buses were allocated to 5 cities with 4 million plus population.

## E-Buses allotted as on August 31, 2024

|                                   | No. of e-Buses Allotted | No. of e-Buses supplied to STUs | No. of e-Buses pending for supply |
|-----------------------------------|-------------------------|---------------------------------|-----------------------------------|
| By EoI                            | 3,390                   | 3,269                           | 121                               |
| BY EESL/CESL (Demand aggregation) | 3,472                   | 1,723                           | 1,749                             |
| <b>Total</b>                      | <b>6,862</b>            | <b>4,992</b>                    | <b>1,870</b>                      |





# CHARGING INFRASTRUCTURE

The Ministry of Heavy Industries (MHI) has been making consistent efforts for facilitating the promotion of electric vehicles in India. The FAME II scheme inter-alia included financial support in the form of subsidy for setting up of Public Charging Infrastructure to instill confidence among the EV users.

MHI had sanctioned a subsidy support of Rs.800 crore in March 2023 to three Oil marketing companies (OMCs) namely Indian Oil Corporation Ltd (IOCL), Bharat Petroleum Corporation Ltd (BPCL) and Hindustan Petroleum Corporation Ltd (HPCL) for setting up 7,432 public charging 88 stations (PCS) at their Retail Outlets (ROs) across the country. Out of Rs.800 crore sanctioned, 70% (Rs.560 crore)

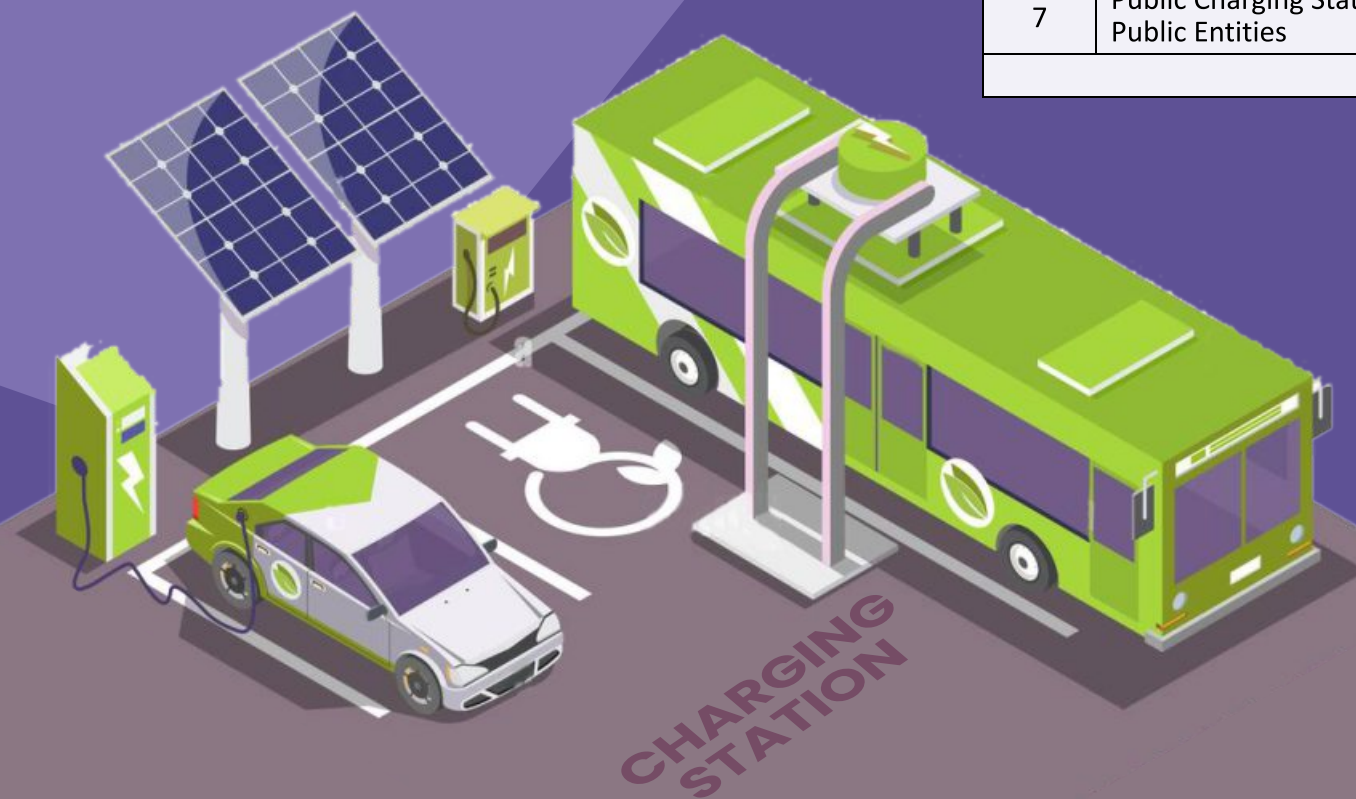
has been released to OMCs to ensure expeditious implementation of the scheme.

Further, MHI sanctioned an additional Rs.73.50 Crore for installation of 980 Public Charging stations in March 2024 and 70% of the sanction amount of Rs.51.45 crore has been released to OMCs for upgrading their charging stations. OMCs have planned installation and commissioning of these PCSs in various states to ensure wide coverage. In addition, 148 charging stations have also been commissioned which were allotted through EOI to other entities in various states. Besides this, a nother 30 EVPCS to be established in 6 states by CESL.



# Proposed Charging Stations installation plan of the OMCs and Public entities under FAME-II

| S. No.             | Regions Covered   | No. of Charging Stations proposed |              |              |               |
|--------------------|---|-----------------------------------|--------------|--------------|---------------|
|                    |   | IOCL                              | BPCL         | HPCL         | Total         |
| 1                  | 4 million plus cities (9 cities –Delhi, Mumbai, Chennai, Kolkata, Bengalore, Hyderabad, Ahmedabad, Pune, Surat) | 453                               | 250          | 42           | 745           |
| 2                  | Rest million plus cities (44 cities)  | 293                               | 253          | 43           | 589           |
| 3                  | Smart cities, cities in Hilly States not covered above (Smart Cities)   | 106                               | 140          | 111          | 357           |
| 4                  | Highways connecting adjoining major cities/ Expressway  | 14                                | 25           | 40           | 79            |
| 5                  | Major Highways  | 2909                              | 2,078        | 1,655        | 6642          |
|                    | Total for above   | <b>3,775</b>                      | <b>2,746</b> | <b>1,891</b> | <b>8,412</b>  |
| 6                  | Additional Public Charging Stations by OMCs   |                                   | 2,173        |              | 2,173         |
| 7                  | Public Charging Stations by Public Entities   |                                   | 178          |              | 178           |
| <b>Grand Total</b> |   |                                   |              |              | <b>10,763</b> |





## Progress under FAME-II

The transition to electric vehicles has shown remarkable results across multiple segments.

### Electric 2-Wheelers

14,32,450 units Sold  
₹4,924 crore spent

### Electric 3-Wheelers

1,65,806 units Sold  
₹1,116 crore spent

### Electric 4-Wheelers

22,637 units Sold  
₹537 crore spent

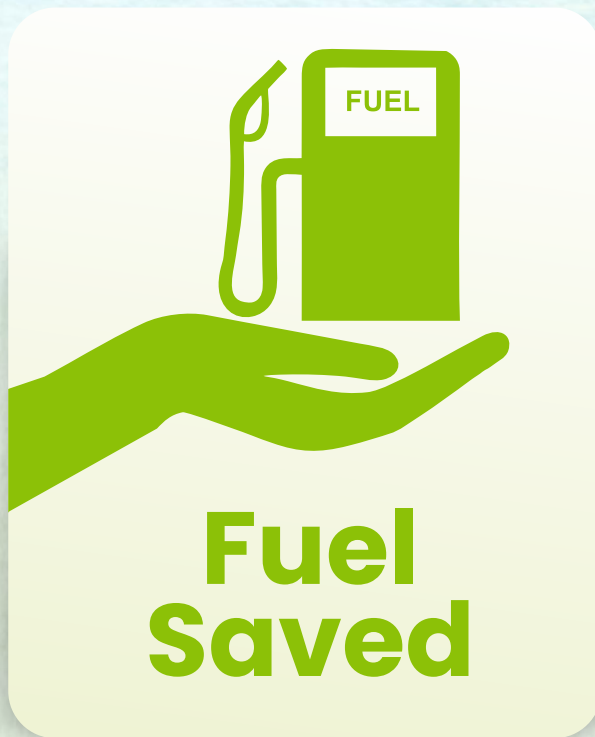
### Electric Buses

6,862 units Sold  
₹3,009 crore spent

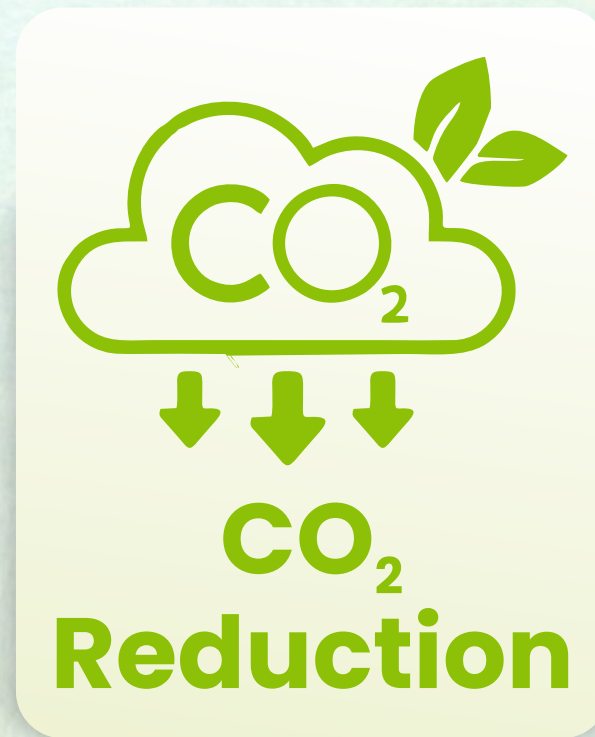
### Charging Stations

10,763 Stations Installed  
₹913 crore spent

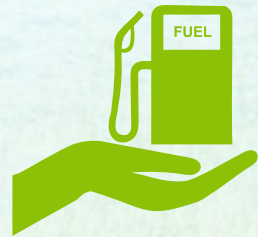
These figures reflect the determination with which the country is advancing towards eco-friendly alternatives.



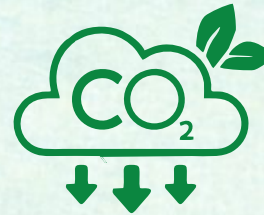
**&**



# FAME-II has yielded significant Savings in Fuel Consumption and contributed to a substantial Reduction in CO<sub>2</sub> Emissions:



**Fuel Saving**  
per day  
**14.1 lac litres**



**CO<sub>2</sub> Reduction**  
per day  
**3367 tones**

---

**Total Saved Fuel**  
**4.29 crore litres**

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**Total CO<sub>2</sub> Reduction**  
**1.2 lac tons**

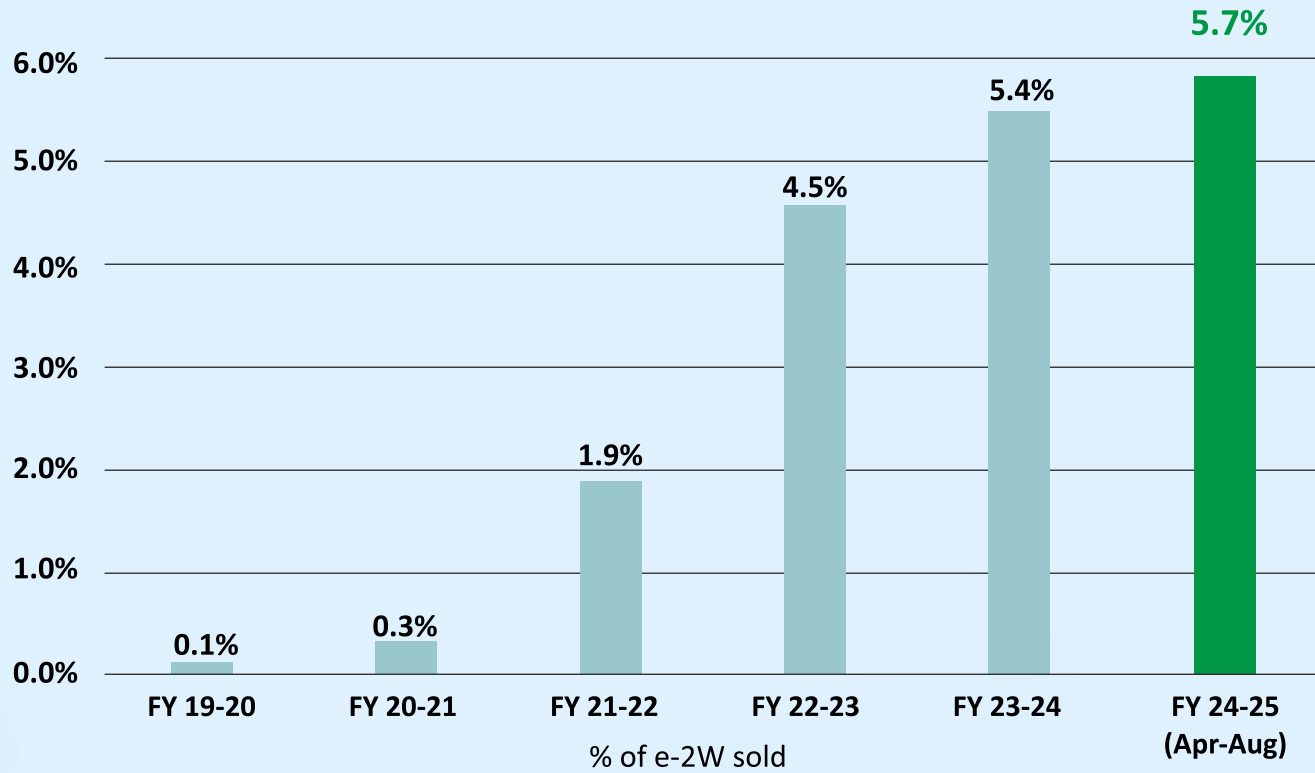


# Penetration of EVs Across Vehicle Segments

India's electric mobility landscape is evolving rapidly. Here's a look at the market penetration for different types of electric vehicles:



## e-2W as % of Total 2W Sold

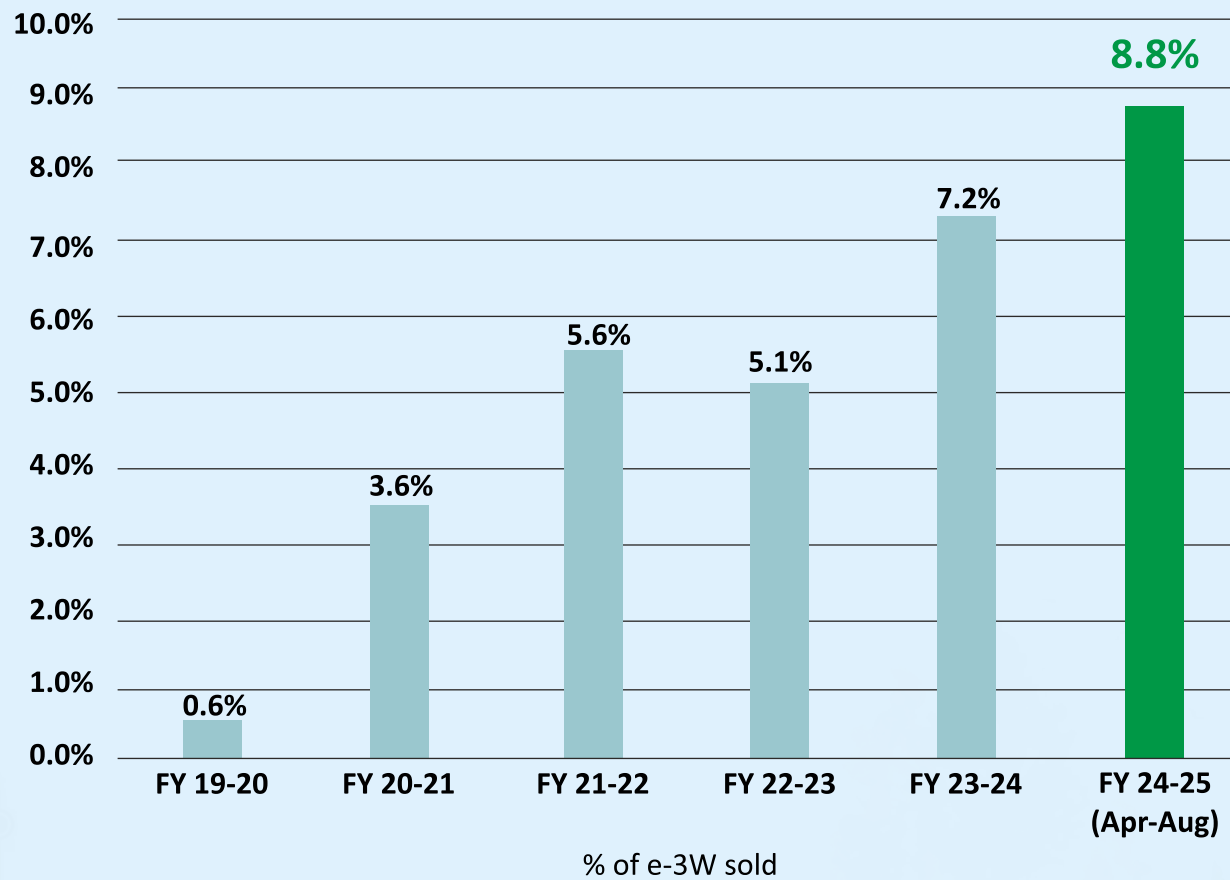


FAME data is used to gauge e-3w penetration

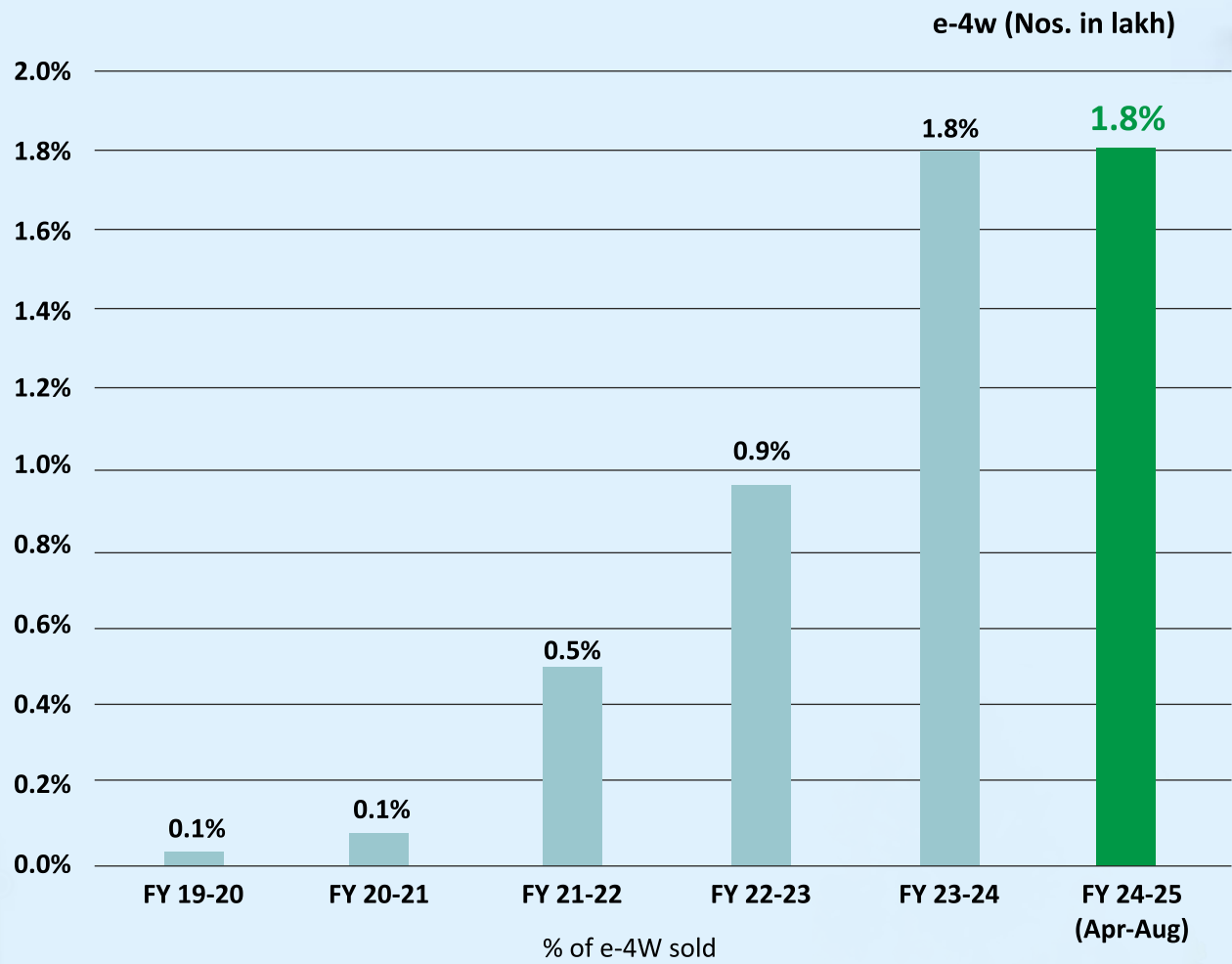


## e-3W as % of Total 3W Sold

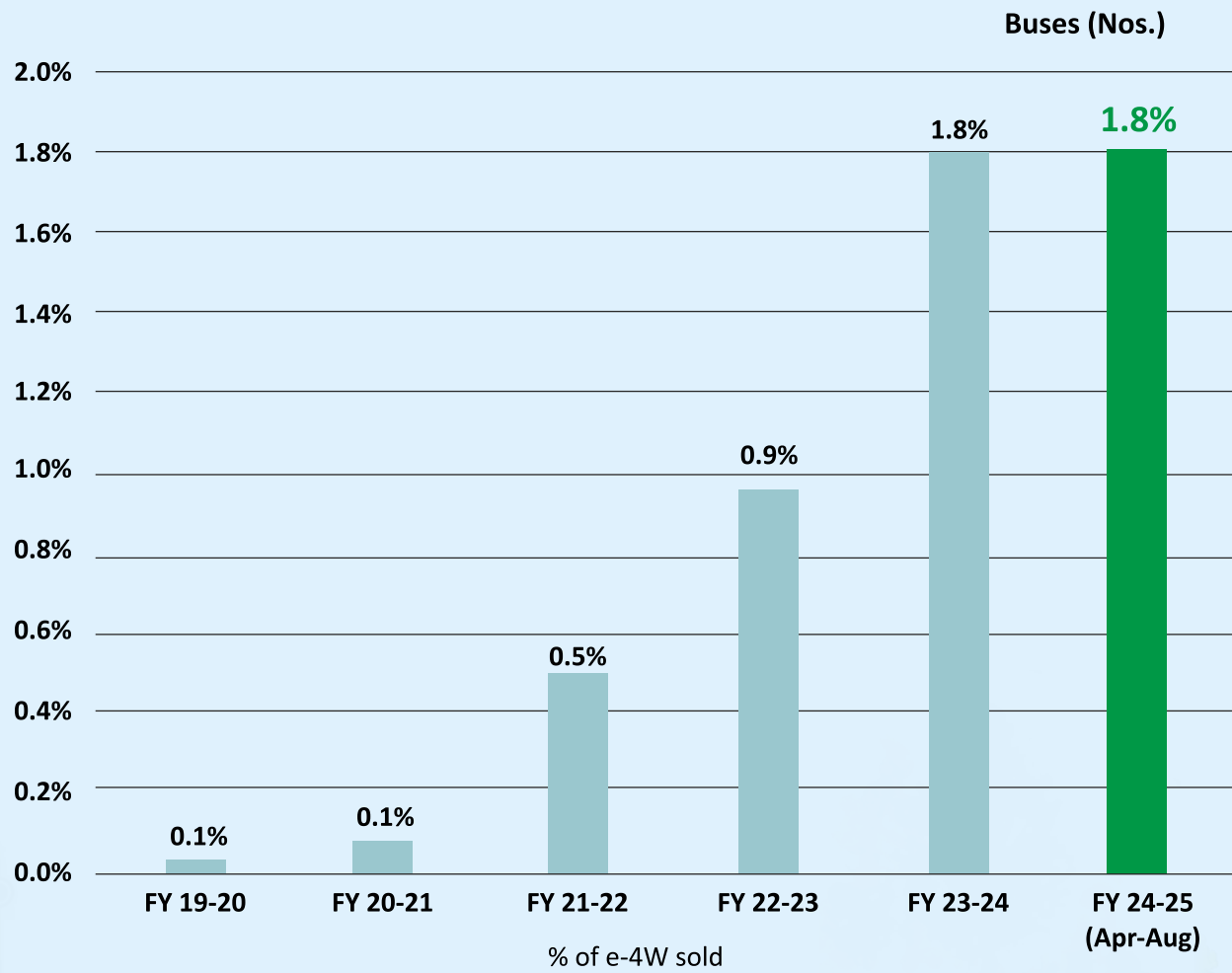
e-3w (Nos. in lakh)



## e-4W as % of 4W Sold



## Buses Sales (ICE & EVs)



# The Panchamrit Vision: A Commitment to Sustainability

Guided by the principles of Panchamrit, outlined during the COP26 conference, India has been resolute in its commitment to reducing carbon emissions.

FAME II has been instrumental in this effort, facilitating the growth of electric mobility, a key driver in cutting down pollution levels and contributing to the nation's climate goals.





# FAME-II

Appreciated by  
Hon'ble  
Prime Minister  
of India



**Narendra Modi** ✓  
@narendramodi

बहुत उत्साहवर्धक जानकारी! इलेक्ट्रिक वाहनों की लोकप्रियता बढ़ाने के लिए हमारी सरकार ने जो ठोस कदम उठाए हैं, उसका असर अब देशभर में दिखने लगा है।

[Translate post](#)



**Dr. Mahendra Nath Pandey** ✓ @D... · 17/04/23

प्रधानमंत्री श्री @narendramodi जी के नेट ज़ीरो के विज़न व @MHI\_GoI के प्रयासों से देश तेज़ी से इलेक्ट्रिक वाहनों को अपना रहा है।

#GreenGrowth #GoElectric #GoGreen  
#ElectricVehicles



**FAME II** योजना भारतीय ईवी उद्योग के लिए एक मील का पत्थर साबित हुई है





**Narendra Modi** @narendramodi · 27m  
 India government official  
 ग्रीन एनर्जी के क्षेत्र में सतत विकास के लिए हमारी सरकार पूरी तरह से प्रतिबद्ध है।

**Dr. Mahendra Nath Pandey** · 3d  
 @MHI\_GoI की फेम II स्कीम के तहत इलेक्ट्रिक वाहनों से 22.9 करोड़ लीटर ईंधन की बचत के साथ 33.9 करोड़ किलोग्राम Co2 में भी कमी आई है।

1 अप्रैल 2019 से 1 फरवरी 2023 तक

## फेम इंडिया II चरण में ईवी से



कुल  
**22.9**  
 करोड़ लीटर  
 ईंधन की बचत



**33.2**  
 करोड़ किलोग्राम  
 Co2 में कमी  
 आई है।



**ಹೆಚ್.ಡಿ.ಕುಮಾರಸ್ವಾಮಿ** | H.D....  
 @hd\_kumaraswamy

Follow

On #WorldEVDAY, @MHI\_GoI is committed to a cleaner, greener future through the adoption of electric vehicles, supported by schemes like FAME and EMPS. We are dedicated to achieving the Net Zero 2070 vision set by Hon'ble PM Shri @narendramodi. Together, we drive towards sustainability.

#ElectricVehicles

# FAME-II NEWS

## This Year, it could be a Million E-bikes Fame

**INCENTIVE SCHEME** The govt is subsidising over 500,000 vehicles under FAME II and plans to double the number

**More Support**

Let us take the government's support for electric vehicles under FAME II to the next level. The government is planning to subsidise over 1 million e-bikes under FAME II in 2024. This is a significant increase from the 500,000 e-bikes subsidised in 2023. The government is also planning to subsidise over 1 million e-rickshaws under FAME II in 2024. This is a significant increase from the 500,000 e-rickshaws subsidised in 2023. The government is also planning to subsidise over 1 million e-cargos under FAME II in 2024. This is a significant increase from the 500,000 e-cargos subsidised in 2023.

| Category      | 2023            | 2024             |
|---------------|-----------------|------------------|
| Two-wheeler   | 1,00,000        | 2,00,000         |
| Three-wheeler | 2,00,000        | 4,00,000         |
| Four-wheeler  | 3,00,000        | 6,00,000         |
| <b>Total</b>  | <b>6,00,000</b> | <b>12,00,000</b> |

**772,000** Subsidised e-bikes under FAME II in 2023

## हर तीन किमी पर होगा ईवी चार्जिंग स्टेशन

100 से अधिक शहरों में पेट्रोल पंपों पर 7,432 चार्जिंग स्टेशन लगाएंगी कंपनियां

**Centre Looking to Extend FAME II**

The Centre is looking to extend the FAME II scheme for electric vehicles. The government is planning to subsidise over 1 million e-bikes under FAME II in 2024. This is a significant increase from the 500,000 e-bikes subsidised in 2023. The government is also planning to subsidise over 1 million e-rickshaws under FAME II in 2024. This is a significant increase from the 500,000 e-rickshaws subsidised in 2023. The government is also planning to subsidise over 1 million e-cargos under FAME II in 2024. This is a significant increase from the 500,000 e-cargos subsidised in 2023.

**6,886** चार्जिंग स्टेशनों का निर्माण किया जा रहा है

**14,000** से अधिक ईवी चार्जिंग स्टेशनों का निर्माण किया जा रहा है

## FAME III: India to replace 800k diesel buses with electric over 7 years

To drive EV adoption in India, the government is devising a plan to replace nearly one-third of diesel buses on roads

**Electric Bus**

The government is planning to replace 800,000 diesel buses with electric buses over a period of 7 years. This is a significant step towards reducing carbon emissions and improving air quality. The government is also planning to subsidise the purchase of electric buses. This is a significant increase from the 500,000 e-buses subsidised in 2023. The government is also planning to subsidise the charging infrastructure for electric buses. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**800,000** Diesel buses to be replaced by electric buses over 7 years

## FAME fund tweak for e-buses on the cards

Unutilised ₹2,000 cr under EW category may be used to sponsor 3,000 e-buses

The government is planning to use unutilised funds under the FAME II scheme to sponsor 3,000 e-buses. This is a significant step towards reducing carbon emissions and improving air quality. The government is also planning to subsidise the purchase of e-buses. This is a significant increase from the 500,000 e-buses subsidised in 2023. The government is also planning to subsidise the charging infrastructure for e-buses. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**3,000** e-buses to be sponsored by unutilised funds

## FAME gets ₹1.5K cr boost, bigger targets

The Centre has sanctioned an additional ₹1,500 crore for the second phase of the FAME II scheme

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**₹1,500 crore** additional funding for FAME II

## 2-wheeler EV sales up 300%; hit 600K in '23

Sales target of 500,000 driven by top four players in CY22

**STRONG SHOW**

Two-wheeler EV sales in India have shown a strong upward trend. Sales are projected to reach 600,000 units in 2023. This is a significant increase from the 500,000 units sold in 2022. The government is also planning to subsidise the purchase of e-bikes. This is a significant increase from the 500,000 e-bikes subsidised in 2023. The government is also planning to subsidise the charging infrastructure for e-bikes. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**600,000** e-bikes sold in 2023

## EV SALES ZOOM PAST 1 MILLION IN 2023

Record run Expanding EV presence

EV sales in India have reached a record of over 1 million units in 2023. This is a significant milestone for the industry. The government is also planning to subsidise the purchase of electric vehicles. This is a significant increase from the 500,000 e-vehicles subsidised in 2023. The government is also planning to subsidise the charging infrastructure for electric vehicles. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**1,000,000** EV units sold in 2023

## EV Industry in India: How India accelerates towards becoming next powerhouse in EV production?

India aims to become a manufacturing hub for electric vehicles (EVs) under its 'Make in India' initiative. The government has announced initiatives such as FAME II and PLI schemes to drive local production.

The Indian EV industry is growing rapidly. The government is planning to subsidise the purchase of electric vehicles. This is a significant increase from the 500,000 e-vehicles subsidised in 2023. The government is also planning to subsidise the charging infrastructure for electric vehicles. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**₹1,000 crore** investment in EV manufacturing

## MHI directs OMCs to float 7400 EV charger mega tender

OMCs to float tender by month end.

The Ministry of Heavy Industries (MHI) has directed Oil Marketing Companies (OMCs) to float a mega tender for 7,400 EV charging stations. This is a significant step towards reducing carbon emissions and improving air quality. The government is also planning to subsidise the purchase of electric vehicles. This is a significant increase from the 500,000 e-vehicles subsidised in 2023. The government is also planning to subsidise the charging infrastructure for electric vehicles. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**7,400** EV charging stations to be tendered

## Incentives for private bus operators to take EV route in the works

electric mobility. NITI Aayog revealed that the policy to incentivise private e-bus purchases is in development.

The government is planning to incentivise private bus operators to take electric vehicles (e-buses) on their routes. This is a significant step towards reducing carbon emissions and improving air quality. The government is also planning to subsidise the purchase of e-buses. This is a significant increase from the 500,000 e-buses subsidised in 2023. The government is also planning to subsidise the charging infrastructure for e-buses. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**₹1,000 crore** incentive for private bus operators

## FAME 2 budget increased to Rs 11,500 crore, validity till March 2024

Interestingly, the government has already provided Rs 5,804 crore in subsidies under the scheme.

The FAME II scheme has been extended until March 2024. The budget has been increased to ₹11,500 crore. This is a significant step towards reducing carbon emissions and improving air quality. The government is also planning to subsidise the purchase of electric vehicles. This is a significant increase from the 500,000 e-vehicles subsidised in 2023. The government is also planning to subsidise the charging infrastructure for electric vehicles. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**₹11,500 crore** budget for FAME II

## Centre hikes FAME II allocation, scheme valid till March-end

The Centre has increased the FAME II allocation for electric vehicles. The government is planning to subsidise the purchase of electric vehicles. This is a significant increase from the 500,000 e-vehicles subsidised in 2023. The government is also planning to subsidise the charging infrastructure for electric vehicles. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**₹1,000 crore** additional funding for FAME II

## 3 lakh people use e-buses in Bengaluru daily

One-and-a-half years since it launched electric-buses in the city to promote 'green and sustainable mobility', Bengaluru Metropolitan Transport Corporation (BMTCL) says that after initial hiccup, the new services are paying dividend in terms of patronage.

The Bengaluru Metropolitan Transport Corporation (BMTCL) has reported that 3 lakh people use e-buses daily in Bengaluru. This is a significant step towards reducing carbon emissions and improving air quality. The government is also planning to subsidise the purchase of e-buses. This is a significant increase from the 500,000 e-buses subsidised in 2023. The government is also planning to subsidise the charging infrastructure for e-buses. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**3 lakh** people use e-buses daily in Bengaluru

## Fame India phase II scheme has boosted EV OEMs for faster adoption

September 13, 2023, 6:34 PM IST | Dr. Vikram Singh, Director, NITI Aayog

The FAME II scheme has boosted EV OEMs for faster adoption. The government is planning to subsidise the purchase of electric vehicles. This is a significant increase from the 500,000 e-vehicles subsidised in 2023. The government is also planning to subsidise the charging infrastructure for electric vehicles. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**₹1,000 crore** investment in EV manufacturing

## EV sales zip past 1-mn mark, a first

EV sales in India have reached a record of over 1 million units in 2023. This is a significant milestone for the industry. The government is also planning to subsidise the purchase of electric vehicles. This is a significant increase from the 500,000 e-vehicles subsidised in 2023. The government is also planning to subsidise the charging infrastructure for electric vehicles. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**1,000,000** EV units sold in 2023

The Indian EV industry is growing rapidly. The government is planning to subsidise the purchase of electric vehicles. This is a significant increase from the 500,000 e-vehicles subsidised in 2023. The government is also planning to subsidise the charging infrastructure for electric vehicles. This is a significant increase from the 500,000 charging stations subsidised in 2023.

**₹1,000 crore** investment in EV manufacturing

## Catching up

Share of EVs in auto sales in India

| Year | Share (%) |
|------|-----------|
| 2022 | 1.7%      |
| 2023 | 1.7%      |

## EV SALES IN 2022

| Month | Sales (Units) |
|-------|---------------|
| Jan   | 80,000        |
| Feb   | 85,000        |
| Mar   | 90,000        |
| Apr   | 95,000        |
| May   | 100,000       |
| Jun   | 105,000       |

## EV SALES IN 2023

| Month | Sales (Units) |
|-------|---------------|
| Jan   | 110,000       |
| Feb   | 115,000       |
| Mar   | 120,000       |
| Apr   | 125,000       |
| May   | 130,000       |
| Jun   | 135,000       |

# A Cleaner, Smarter Future

Electric vehicles are not just the future—they are our present reality.

Through the FAME II scheme, India is making transformative progress in adopting clean, green mobility options.



As we move closer to achieving our Net Zero goal, each electric vehicle sold and each kiloliter of fuel saved brings us one step closer to a sustainable, pollution-free future.





सत्यमेव जयते

**भारी उद्योग मंत्रालय**  
**MINISTRY OF**  
**HEAVY INDUSTRIES**

**Udyog Bhawan, New Delhi-110011**

[www.heavyindustries.gov.in](http://www.heavyindustries.gov.in)