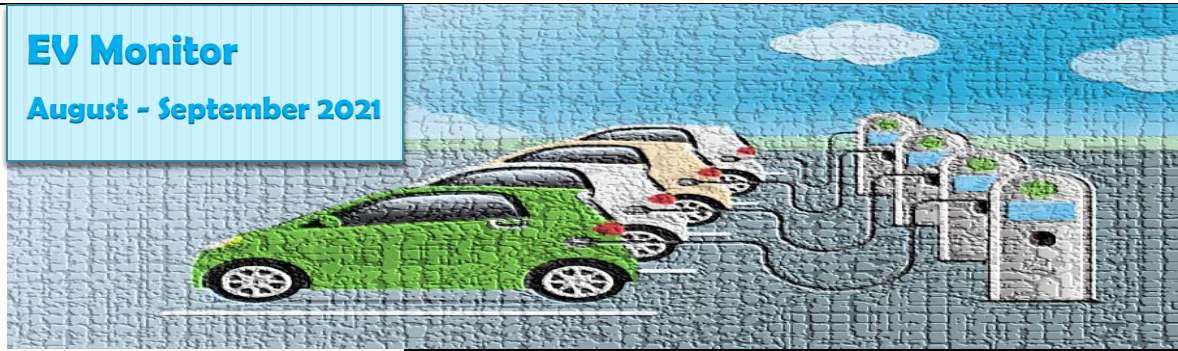


EV Monitor
August - September 2021



Policy



- Govt may extend Fame II incentive scheme for purchase of personal EV cars, e-bicycles
- Electric vehicles to get upto Rs 2.75 lakh incentive in Maharashtra
- Cabinet clears Rs 26,000 crore PLI scheme for auto sector to boost electric car production
- Assam's Electric Vehicle Policy 2021 aims at 200,000 EVs to be deployed by 2026
- Jharkhand Cabinet gives nod to new industrial policy
- Odisha approves Electric Vehicle Policy, targets 20% EVs on road by 2025
- State-wise EV subsidies in India: a handy list of incentives and benefits for electric vehicles in each state

Market Dynamics



- About 90% consumers in India willing to pay a premium for buying EV
- 1,04,806 electric vehicles registered in 2021; 5,17,322 over last three years
- India's national capital saw more electric vehicles being sold in the last 2 months than those that run on gas
- EV demand for commercial use likely to increase by 15 times in 6 months
- World EV Day 2021: India evolving as favourite Electric Vehicle market

Corporates



- Make in India: Piaggio India arm sets up first electric vehicle manufacturing facility in Chennai
- TATA Motors has now sold over 10,000 electric vehicles in India, more than 1,000 of them sold in august
- Audi calls for import duty cuts on electric vehicles in India
- Ola Electric sells e-scooters worth Rs 1,100 crore in just two days

Charging Infrastructure



- Jio-bp partners with BluSmart to set up EV charging infrastructure in India
- Hero Electric to set up 10,000 EV charging stations across India
- India sees first single-app for EV charging stations
- 8 charging stations set up on NH-8 between Ahmedabad and Mumbai
- Tata Power, Macrotech Developers tie-up for EV charging stations
- HPCL to build 5,000 EV charging stations in 3 years
- Usage of EV charging stations up to 15% in Bangalore
- World's highest electric vehicle charging station inaugurated in Himachal Pradesh's Kaza



Govt may extend Fame II incentive scheme for purchase of personal EV cars, e-bicycles. In what may come as a boon for people aspiring to ride on their own electric vehicles, the government is looking to extend the provisions of its subsidy scheme FAME II to the buyers of passenger cars meant for personal use. Government sources said that they were also looking at including electric bicycles under the capital subsidy

scheme seeing its growing popularity and the need to bring down its cost for customers. The fresh inclusions would make the running Fame II or Faster Adoption and Manufacturing of Hybrid and EV scheme all encompassing covering the entire range of electric vehicles being used both for personal and commercial use and public transport.

Electric vehicles to get upto Rs 2.75 lakh incentive in Maharashtra. The Maharashtra government on 13 July 2021 unveiled a comprehensive [EV Policy for 2021](#), which has been designed to accelerate both adoption of EVs in the state as well as make Maharashtra a leading manufacturing and investment hub for the EV ecosystem globally. The overarching aim is for EVs to contribute to 10 percent of new vehicle registrations or 3,00,000 EVs a year by 2025.

- ▶ Three direct incentives for demand, supply and charging infrastructure
- ▶ Includes non-fiscal incentives for developing skilled manpower
- ▶ Aims to make Maharashtra a hub for the EV ecosystem globally

Cabinet clears Rs 26,000 crore PLI scheme for auto sector to boost electric car production. In a major relief to the auto sector, the Centre approved around Rs 26,000 crore worth of new production-linked incentive (PLI) scheme, which will help boost the production of electric vehicles and hydrogen fuel vehicles in the country. The government estimates that the approved PLI scheme will most likely generate as many as 7.5 lakh jobs for the auto sector. The announcement comes on the backdrop of the scheme announced last year for the entire automobile industry, including vehicle manufacturing and its ancillary units, which cost Rs 57,043 crore, for a period of five years.

Assam’s Electric Vehicle Policy 2021 aims at 200,000 EVs to be deployed by 2026. Assam is the latest Indian state to announce an electric vehicle (EV) policy. The Electric Vehicle Policy of Assam, 2021 aims for 25% EV penetration in all vehicle registrations by 2026. The policy comes into effect from 4 September 2021, for five years (2026) or until the announcement of a new or revised policy, whichever is earlier. The state also aims to convert 100% of its public transport bus fleet to electric buses and convert all government vehicles to EVs by 2030. As per the policy, only EVs would be sold in the state after 2025 as the state intends to phase out all fossil fuel-based commercial and logistics vehicles in all cities by 2030.

Jharkhand Cabinet gives nod to new industrial policy with focus on 20 key sectors including automobile, auto components and EVs. The state cabinet on 24 August 2021 gave its nod to the new [Jharkhand Industrial and Investment Policy \(JIPP\) 2021](#). The new policy will replace the existing Jharkhand Industrial Policy of 2016. The JIPP aims to focus on 20 sector specific industries, of which eight have been termed high-priority sectors. These include apparels, automobile, auto components and electric vehicles, agro-food processing and meat processing, pharmaceuticals and electronic systems and design manufacturing (ESDM).

Odisha approves Electric Vehicle Policy, targets 20% EVs on road by 2025. The State Cabinet headed by Chief Minister Mr Naveen Patnaik on 27 August 2021 approved the [Odisha Electric Vehicle Policy, 2021](#). The policy also aims to promote manufacturing of electric vehicles and its components including battery in the state, promote innovation and facilitate research and development in the areas relating to EVs and battery. Chief secretary Mr Suresh Chandra Mohapatra said under the EV policy guidelines, it has been decided to extend financial incentives such as incentives available for manufacturing EV industries, purchase incentives, scrapping incentives, interest-subsvention in loans, waiving of road tax and registration fees during policy period.

State-wise EV subsidies in India: a handy list of incentives and benefits for electric vehicles in each state. State-specific EV policies have been drawn up for a four-to-five-year period from the time of notification, and will only subsidise a limited number of vehicles. Most Indian states, in their EV policies, have decided to allot subsidies for electric two-wheelers (that are eligible for incentives under the FAME-II scheme) on the basis of the size of their lithium-ion battery packs. The incentive amount is decided on a ‘per kWh of battery capacity’ basis, with only two states offering subsidies on a different basis.

State-wise incentives for electric two-wheelers

State	per kWh of battery capacity	Max subsidy	Road tax exemption
Delhi	Rs 5,000	Rs 30,000	100%
Maharashtra	Rs 5,000	Rs 25,000	100%
Meghalaya	Rs 10,000	Rs 20,000	100%
Gujarat	Rs 10,000	Rs 20,000	50%
Assam	Rs 10,000	Rs 20,000	100%
Bihar (Draft)	Rs 10,000	Rs 20,000	100%
West Bengal	Rs 10,000	Rs 20,000	100%
Odisha	NA	Rs 5,000	100%
Uttar Pradesh	No	No	100%
Kerala	No	No	50%

Karnataka	No	No	100%
Tamil Nadu	No	No	100%
Telangana	No	No	100%
Madhya Pradesh	No	No	99%
Andhra Pradesh	No	No	100%
Punjab^ (Draft)	No	No	100%

(Source: Firstpost)

State EV subsidies on electric cars and SUVs

State	per kWh of battery capacity	Max subsidy	Road tax exemption
Maharashtra	Rs 5,000	Rs 2,50,000	100%
Delhi	Rs 10,000	Rs 1,50,000	100%
Gujarat	Rs 10,000	Rs 1,50,000	50%
Assam	Rs 10,000	Rs 1,50,000	100%
Bihar	Rs 10,000	Rs 1,50,000	100%
West Bengal	Rs 10,000	Rs 1,50,000	100%
Odisha	NA	Rs 1,00,000	100%
Meghalaya	Rs 4,000	Rs 60,000	100%
Uttar Pradesh	No	No	75%
Kerala	No	No	50%
Karnataka	No	No	100%
Tamil Nadu	No	No	100%
Telangana	No	No	100%
Madhya Pradesh	No	No	99%
Andhra Pradesh	No	No	100%
Punjab	No	No	100%

(Source: Firstpost)

- ▶ [Delhi Electric Vehicles Policy, 2020](#) |
- ▶ [Maharashtra Electric Policy 2021](#) |
- ▶ [Meghalaya Electric Vehicle Policy 2021](#) |
- ▶ [Gujarat State Electric Vehicle Policy-2021](#) |
- ▶ [Electric Vehicle Policy of Assam 2021](#) |
- ▶ [Bihar- Amendment to Bihar Industrial Investment Promotion Policy- 2016 for Inclusion of EV \(Draft\)](#) |
- ▶ [West Bengal Electric Vehicle Policy 2021](#) |
- ▶ [Odisha Electric Vehicle Policy, 2021](#) |
- ▶ [Uttar Pradesh Electric Vehicle Manufacturing and Mobility Policy 2019](#) |
- ▶ [Government of Kerala Electric Vehicle Policy 2019](#) |
- ▶ [Karnataka Electric Vehicle and Storage & Energy Storage Policy 2017](#) |
- ▶ [Tamil Nadu Electric Vehicle Policy 2019](#) |
- ▶ [Telangana Electric Vehicle & Storage Policy 2020- 2030](#) |
- ▶ [Madhya Pradesh Electric Vehicle \(Ev\) Policy 2019](#) |
- ▶ [Andhra Pradesh Electric Mobility Policy 2018-23](#) |
- ▶ [Punjab Electric Vehicle Policy 2019 \(Draft\)](#) |

[The Times of India, 28 August 2021](#) | [The Economic Times, 28 August 2021](#) | [Mercom, 6 September 2021](#) | [Firstpost, 13 September 2021](#) | [IndiaToday, 15 September 2021](#) | [The Economic Times, 26 September 2021](#) |



Market Dynamics

About 90% consumers in India willing to pay a premium for buying EV with global electric vehicles (EVs) sales expected to boom in the next 12 months, nearly 90 per cent of consumers in India are willing to pay a premium for buying an EV, according to a survey by consultancy firm EY. The EY Mobility Consumer Index (MCI), a survey of more than 9,000 respondents from 13 countries, including 1,000 respondents from India, also found that 40 per cent of the respondents were ready to pay a premium of up to 20 per cent.

The survey concluded in the second half of July 2021. "Among the car buyers in India, 3 in 10 respondents would prefer to buy an electric/hydrogen vehicle," the survey said. A majority of the respondents surveyed in India consider a driving range of 100 to 200 miles from a fully charged EV, EY said.

1,04,806 electric vehicles registered in 2021; 5,17,322 over last three years. The Ministry of Heavy Industries announced on 10 August 2021 that 1,04,806 electric vehicles (EVs) have been registered in the country during 2021 (till July 19). The Ministry added that a total of 5,17,322 electric vehicles have been registered in the country over the last three years as per the e-vahan portal. In 2018, 1,31,554 EVs were registered in India, this number jumped to 1,61,314 during 2019.

India's national capital saw more electric vehicles being sold in the last 2 months than those that run on gas. Delhi saw more electric vehicles (EV) being registered in the city than CNG vehicles. The Delhi government launched its EV policy on 7 August 2020, it saw the registration of 739 EVs that month. In August 2021, there were 2603 electric vehicles registered in the national capital. The adoption of EV vehicles were on the rise since the launch of the policy but the second-wave of Covid-19 took its toll on vehicle registrations as it dipped in the months of April and May 2021. It only came to the fore in July 2021. Comparing the registrations with that of CNG-run vehicles in the July and August, there were 2413 EVs registered in July as opposed to 1,966 CNG run-vehicles. In August, the number for CNG -run vehicles was 2,357 as opposed to 2603 EVs.

EV demand for commercial use likely to increase by 15 times in 6 months. Demand for electric vehicles for commercial use is estimated to increase 15 times in the next six months, driven by the rise in fuel prices, incentives rolled out by the central and state governments and renewed emphasis by ecommerce companies to electrify their last-mile delivery fleets, said a financier of such vehicles. Both central and state governments have announced incentives which have made electric vehicles a lot more affordable, while with low interest rates, EMIs have become smaller.

World EV Day 2021: India evolving as favourite Electric Vehicle market. World EV Day is observed on 9 September every year. The day marks the celebration of e-mobility. Special awareness campaigns are organised globally to educate people about the benefits of electric vehicles. World EV Day was an initiative created by sustainability media company Green.TV. The first World EV day was observed in 2020. While China is the largest EV market in the

world, India is emerging as the next favourite destination for automotive companies. The government has promised to offer all possible help to take the electric vehicle industry forward. Notably, India's automotive industry is the fifth largest in the world. It is set to become the third largest by 2030.

[Business Today, 10 August 2021](#) | [Business Insider, 10 September 2021](#) | [Mint, 24 September 2021](#) | [The Economic Times, 27 September 2021](#) | [IndiaTV, 29 September 2021](#) |



Make In India: Piaggio India arm sets up first electric vehicle manufacturing facility in Chennai.

Italy-headquartered Piaggio Group's Indian subsidiary Piaggio Vehicles Pvt Ltd has set up its first EV outlet in Chennai, which is first-of-its kind facility in Tamil Nadu, the company said on 25 September 2021. The experience centre (EV showroom) will allow customers to access Piaggio's entire range of electric vehicles.

Indian company Detel launches electric two-wheeler at ₹39,999. The company has announced that the new EV Easy Plus will be available pan India through Detel India's website. Interested buyers can book the new EV Easy Plus with a token amount of ₹1,999. The total price after GST will come down to ₹41,999. The balance ₹40,000 for the electric vehicle will need to be paid 7 days before the delivery. The Gurugram-based 2 wheeler EV manufacturer has curated a network of booking partners in different locations including Haryana, Delhi, and West UP. The new EV Easy Plus comes with a driving range of 60 km and a top speed of 25 kmph. It gets a 20Ah battery, which is placed below the rider's seat. It gets drum brakes on both tyres. The EV also gets a more than decent 170mm ground clearance.

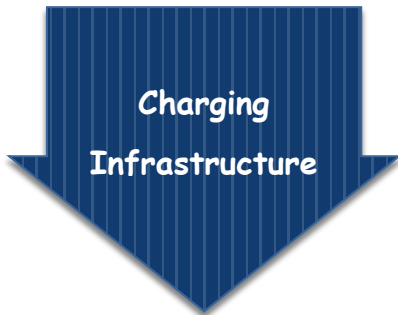
TATA Motors has now sold over 10,000 electric vehicles in India, more than 1,000 of them sold in August. Tata Motors has announced it has now crossed the 10,000-unit sales milestone with its EV portfolio. This cumulative figure of over 10,000 EVs sold includes models Tata Motors has sold for both private and commercial use, and thus includes sales of the original Tigor EV, the Nexon EV, as well as the recently-launched Tigor EV Ziptron and Xpres-T EV sedan for fleet buyers. It was the Tata Nexon EV launched at the start of 2020 that supercharged the electric vehicle boom for Tata Motors, and constitutes a majority of the 10,000 EVs Tata has sold till date. Interestingly, 1,000 of these were sold in August alone.

Ola Electric sells e-scooters worth Rs 1,100 crore in just two days during its sale of Ola S1 and S1 Pro scooters. The SoftBank-backed company said this was unprecedented not just in the automotive industry, but also represented one of the highest sales in a day (by value) for a single product in Indian e-commerce history. In August 2021, Ola Electric took the wraps off its maiden e-scooter offerings - the S1 and S1 Pro - for a commercial launch with prices starting from Rs 99,999 (excluding state government incentives, registration fee, and insurance cost).

Audi calls for import duty cuts on electric vehicles in India. After Tesla and Hyundai India, now Audi India has called for an import duty cut on electric vehicles (EVs). Mr Balbir Singh Dhillon, head of Audi India said while the Centre has taken some steps for making EVs popular it has reduced GST on all EVs from 12% to 5% and then there are income tax benefits for buyers the import duty is still in the range of 60-100%. Audi India launched two electric cars: the e-tron GT and the RS e-tron GT, priced at Rs 1.79 crore and Rs 2.04 crore, respectively (ex-

showroom). In July 2021, it had launched the e-tron 50 (Rs 99.99 lakh), the e-tron 55 (Rs 1.16 crore) and the e-tron Sportback 55 (Rs 1.17 crore). All these five electric cars are CBU imports.

[Business Standard](#), 18 September 2021 | [Mint](#), 22 September 2021 | [The Financial Express](#), 23 September 2021 | [Firstpost](#), 24 September 2021 | [Zee](#), 25 September 2021 |



Hero Electric to set up 10,000 EV charging stations across India.

Hero Electric has partnered with Delhi-based startup, Massive Mobility, to set up as many as 10,000 electric vehicle charging stations across India. This will be a connected network of smart charging stations suitable for three-wheelers and two-wheelers. Massive Mobility specialises in providing smart EV charging solutions through its cloud-based eco-system. The charging points to be set up in association with Hero Electric will be focused on creating a fully integrated charging experience comprising hardware and software aligned with OEMs.

Jio-bp partners with BluSmart to set up EV charging infrastructure in India. Jio-bp, the fuels and mobility joint venture between Reliance Industries Limited and bp, announced a partnership with BluSmart, India's first and largest all-electric, ride-hailing platform to set up a network of commercial large scale EV charging stations. As part of the partnership, Jio-bp will set up these stations for passenger electric vehicles and fleets across the country. BluSmart, through its all-electric fleet, has been disrupting the mobility landscape by providing reliable, zero-surge and zero-tailpipe emission ride-hailing service in Delhi NCR.

India sees first single-app for EV charging stations. EV Plugs, an app for electric vehicle charging stations, has gone live and claims to be India's first independent aggregator app. So far, there are more than 1,000 verified listings, according to the company, and EV Plugs is available on both iOS and android besides being web-based. The Delhi-based start-up believes that there is a dire need among EV owners to search on a single platform for verified listings of EV charging stations, as the EV charging infrastructure grows in India. EV owners can install the app, choose their vehicles and find EV charging points compatible with their electric vehicles. The app will provide directions from the current location of users to the selected charging station.

8 charging stations set up on NH-8 between Ahmedabad and Mumbai. In a boost to the electric vehicle (EV) infrastructure, some eight new EV charging stations have recently been installed along the National Highway-8 between Ahmedabad and Mumbai by a Gujarat-based startup, Tecso ChargeZone. Vehicles on NH-8 travelling between these two cities will now be able to charge their electric vehicles within 40 minutes. Each charging station is of 60 kilowatt capacity and has fast-charging capabilities.

Tata Power, Macrotech Developers tie-up for EV charging stations. Macrotech Developers (Lodha) on Thursday announced that it has partnered with Tata Power to provide end-to-end EV charging solutions in all its residential and commercial projects across Mumbai Metropolitan Region (MMR) and Pune. Under this partnership, Tata Power will install EV Charging stations at Lodha developments across MMR and Pune. These chargers will be accessible to all Lodha residents and visitors who are EV owners.

HPCL to build 5,000 EV charging stations in 3 years. HPCL plans to leverage its country-wide network of fuel stations, brand loyalty, and years of experience serving vehicle owners to expand its offerings by adding EV charging facilities. The company has 19,000 fuel retail outlets across the country. Most of the planned 5,000 charging stations would be built in its fuel retail outlets. It currently has about 85 EV charging stations, all added to operational petrol pumps. HPCL currently follows an 'Opex-sharing' model with partners like Tata Power and Convergence Energy Services (CESL), which means lower initial investment for setting up charging stations.

Usage of EV charging stations up to 15% in Bangalore. The roll-out of Bangalore Electricity Supply Company's (Bescom) electric vehicle (EV) charging stations, which gathered momentum in January 2021 after many delays, has since seen increased patronage despite the pandemic. This trend signals rising demand for EVs, say officials of the power utility. Mr C.K. Sreenath, Deputy General Manager (smart grid and electric vehicles), Bescom, said there are 136 EV charging units within the city and the response has been very good. Bescom recently sought expression of interest from interested EV charging station/battery swapping service providers for setting up charging/battery swapping stations on the Bescom premises on a land rental basis.

World's highest electric vehicle charging station inaugurated in Himachal Pradesh's Kaza. Kaza which is located in of Lahaul and Spiti district of Himachal Pradesh has got a unique distinction to its name as it now has the world's highest EV charging station. The EV charging station was inaugurated on 23 September 2021 in a bid to promote a sustainable environment.

[Mint, 9 September 2021](#) | [Electrify, 8 September 2021](#) | [Mint, 9 September 2021](#) | [The Economic Times, 14 September 2021](#) | [The Economic Times, 18 September 2021](#) | [The Hindu, 19 September 2021](#) | [The Economic Times, 24 September 2021](#) | [Bikewale, 25 September 2021](#)