



POWER & RENEWABLE ENERGY

A transformation is underway for Uttar Pradesh's EV goals

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With the registration of 4,14,978 vehicles, Uttar Pradesh (U.P.) has emerged as the state with the leading EV sales. The state has the most electric vehicles (EVs) in the nation, followed by Delhi (1,83,074) and Maharashtra (1,79,087). In 2022, e-rickshaw sales—both for passengers and for cargo—accounted for 85% of total EV sales. Uttar Pradesh has also benefited significantly from the FAME I and II programs of the Indian government. U.P. has received funding under FAME II to build 207 charging stations that are being constructed throughout the state's nine cities, including Noida, Lucknow, Varanasi, Prayagraj, Kanpur, Aligarh, Saharanpur, Bareilly, and Jhansi. An EV costs INR 97 to travel 100 km, compared to INR 435 for a conventional vehicle. The total cost of ownership (TCO) of an EV is therefore significantly lower than that of a conventional car throughout the course of its lifetime. According to the Ministry of Environment, Forest, and Climate Change in India, GHG emissions are decreased by roughly 82 percent during the course of an EV's lifetime in terms of air quality.

Did growth in the automotive industry contribute to bolstering Uttar Pradesh's stance in the EV market?

Uttar Pradesh has shown a great deal of potential for involvement in the automotive industry. Demand for automotive use is growing yearly. In lieu of this, EV market is expected to grow rapidly in this country because electric vehicles cost only Rs. 1 to per km. With a view to promoting the manufacture and use of EVs (electric vehicles) in the state, the government has devised an Uttar Pradesh electric vehicle subsidy policy with the vision of attracting individuals and industry builders to get involved in the EV sector. For the first two integrated EV and ultra-mega battery projects, Uttar Pradesh will offer a 30% base capital subsidy, up to a maximum of Rs 10 billion (\$121.43 million). A manufacturing facility must have a minimum investment of 15 billion won (182.14 million dollars) and a production capacity of 1 GWh. The 20-year capital investment subsidy will be distributed in equal yearly increments.

In 2022, Uttar Pradesh government mandated that any electric car purchased and registered in the state will receive a waiver of registration fees and road tax from the UP government. The incentive will start to be offered on the day that the state government formally announces the new EV policy. The state government will waive these two fees for anyone purchasing an EV made in the state if they decide to purchase one after three years. The advantages after two years are consistent with the state government's intention to invest more than Rs 30,000 crore, which was done with the premise of bolstering Uttar's Pradesh's stance of emerging as a hub of EV manufacturing. In the "Uttar Pradesh Electric Vehicle Manufacturing and Mobility Policy 2022," certain incentives were also declared.

This new EV strategy from the government of Uttar Pradesh is based on a three-pronged incentive system that includes: 1) Advantages for EV buyers, 2) For EV, battery, and related component makers, and 3) For service providers creating charging/swapping facilities. The state has also benefited greatly from the FAME I and II programs of the Indian government. Under FAME II U.P. sanctioned to build 207 charging stations, which are being constructed across the state's nine largest cities: Noida, Lucknow, Varanasi, Prayagraj, Kanpur, Aligarh, Saharanpur, Bareilly, and Jhansi. Along the state's expressways, more charging stations are anticipated. The Government of Uttar Pradesh would offer a 15% subsidy on the price (ex-showroom) of each EV with a ceiling of Rs 5,000 for 2-wheelers, Rs 12,000 for 3-wheelers, and up to Rs 1 lakh for 4-wheelers in an effort to entice people to purchase EVs. Additionally, there will be an electric bus subsidy with a maximum restriction of Rs 20 lakh. However, only a certain number of EVs will be eligible for this subsidy benefit: 2 lakh for electric 2-wheelers, 50,000 for electric 3-wheelers, 25,000 for automobiles, and 400 for electric buses. Consumers are still eligible for 50% of the subsidy even if they buy an EV without a battery pack. Additionally to the subsidy, the buyer of an EV will also receive a full 100%.

Goyal Aluminiums invests in a manufacturing plant in Uttar Pradesh

The New Electric Vehicle Manufacturing and Mobility Policy, 2022, was unveiled by the Uttar Pradesh government to encourage quicker adoption of clean mobility solutions and develop an EV-friendly ecosystem in the state. The primary goal of the strategy is to make Uttar Pradesh a global centre for the production of electric vehicles, batteries, and related equipment in addition to developing an eco-friendly transportation infrastructure in the state.

Goyal Aluminiums had recently announced that the Greater Noida Industrial Development Authority, or GNIDA, had granted the company a site allotment for the construction of a new electric car plant. The corporation claims that the land allocation will enable it to carry out its ambitious expansion plans and sustain high growth rates. Plot No. 283, which measures roughly 4000 sq m and is available for lease for a period of up to 90 years, according to the company's statement in a regulatory filing.

The land was given to the company for Rs 14,917.50 per square meter. The provisional premium for the site is Rs 59,670,000 crore. The company has already made a deposit of Rs. 58,50,000 cr as registration funds. The corporation also declared that the remaining 90%, interest-free, will be reimbursed in 90 days. The business has disclosed its entry into the electric car market via its new venture, Wroley E India.

"Only the domestic market will receive low-speed and electric scooters. The Central Institute of Road Transport (CIRT) has already given the company authorization to introduce the first high-speed electric scooter in April of this year," according to the spokeswoman.