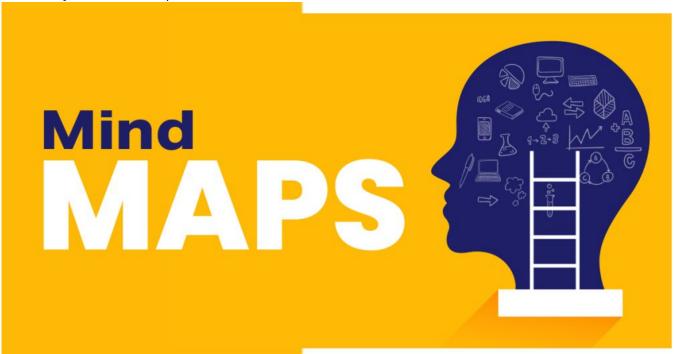
Electric Vehicles

written by iasexam.com | 16/03/2024



- India has committed to achieving net-0 emissions by 2070 at the twenty sixth Conference of the Parties (COP2A) in November 2021. This would require clara ways; to decarbonize secessive greenhouse gas (GHG) in depth sectors along with delivery and electricity.

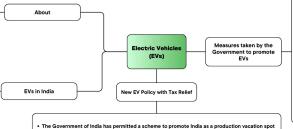
 To decarbonize shipping, the transition to clean mobility, led by way of electric powered cars (EVs), is paramount.

 India is on the cusp of an e-mobility revolution led by way of the two-wheeler (2W) and 3-wheeler (3W) car segments.

 2Ws account for 70-00% of all private cars, and 3Ws play a essential position for public transit, freight transport and connectivity in cities.

- Electric vehicle sales in India jumped 49.25% year on year to more than 15 lakh devices in 2023, consistent with a facts launched through the Federation of Automobile Dealer's Association (FADA).
 The EV enterprise had recorded a total sale of around 10 lakh gadgets in 2022, as per the information.
 The surge in income can be attributed to increase in the availability of products in the marketplace, high gas fees, country subsidies and sops offered under the FAME-II Initiative.





- The Government of India has permitted a scheme to promote India as a production vacation spot in order that e-vehicles with the modern day technology can be manufactured in the usa.
 The policy is designed to attract investments in the e-vehicle space by using reputed global EV producers.
 This will offer Indian customers with get admission to to state-of-the-art generation, increase the Make in India initiative, enhance the EV ecosystem through promoting healthful competition among EV players.
 It will even result in excessive extent of production, economies of scale, decrease cost of manufacturing, essen imports of crude Oil, lower alternate deficit, lessen air pollutants, mainly in cities, and could have a fantastic effect on health and environment.

- Battery Swapping Policy:

 Battery swapping sa an alternative which involves exchanging discharged batteries for charged ones and provides flexibility to charge them separately.

 This de-links charging and battery usage and keeps the vehicle in operational mode with negligible downtime.

 NITI Asyog, recently, released a draft battery swapping policy under which all metropolitan cities with a population above 40 lakh will be prioritised for development of battery swapping network under the first phase.

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 Contul/Clate governments provide an upfront subsidy that reduces the overall costs of electric vehicles.

 AMRIT Portal Claters various resources to help ease the migration to electric vehicles.