Challenges with Sustainability of Electric Vehicles

Why in news?

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About 50 new electric vehicles has been launched in Delhi Auto Expo 2018.

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What are the significance of the EVs?

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- The reduction in the per-kilometre cost of driving electric cars as compared to those based on fossil fuels is highly possible.
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- As diesel and petrol become more expensive electric vehicles becomes more accessible and affordable.
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- EVs produce less carbon and less of the suspended particulate matter that causes local air pollution.
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What is the stand of the government on electric vehicles?

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- Union Road Transport Ministry is ambitious to transform 100 per cent of passenger vehicles to be electric by 2030.
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- The union government is boosting the production by mooting manufactures to do so.
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- By this the government don’t want petrol and diesel vehicle manufacturing to stop.
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- The government senses that EVs would become popular among consumers, if the commuting cost for the public comes down.

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What are practical challenges in EVs implantation?

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- In India the infrastructure required for electric vehicle transition is not in place.
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- Preferential parking, Low-cost and accessible charging stations, are yet to become ubiquitous in Indian cities.
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- In order to transform the vehicle industry government has not taken any path breaking initiatives.
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- Instead of introducing service led electric vehicle transitions India is following consumer-first approach and passenger vehicle fleet.
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- To reduce carbon emissions India is choosing electricity as an alternative which is already a carbon source.
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- Thus government must concentrate more on affordable, environmentally sustainable and efficient public transport system than a focusing on EVs.
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Source: Business Standard

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