

Qn: What are the various feasible pathways for India to decarbonize the transportation sector? Elaborate

→ Transportation vehicles emitting Carbon monoxide, Carbon dioxide, Sulphur and other pollutants account for 30 percent of Green house gases produced.

→ Indian government and its citizens should adopt some possible ways to decarbonize the transportation sector.

→ Some feasible ways are:

* Electrification of vehicles - Our government being decided to increase the electricity storage capacity since the cost of storage capacity has decreased.

In present, electricity is produced more from fossil fuels which also emits Carbon.

Developing electricity from renewable sources

in large level and using it in transportation might reduce carbon level.

* Challenges - However setting up and making electricity from renewable sources might take time. Also setting up charging stations is compulsory where investors are not ready as use of electric vehicles is low in India. The government of India should take necessary steps to set up charging stations and selling of electric vehicles simultaneously.

* BS VI engines → Since electrification may take longer time, In mean time usage of BS VI engines in place of BS IV would decrease carbon emissions comparatively as BS VI engines use clean petrol and diesel.

* Public transport - The cheapest and easily possible method is encouraging and using public transports instead of individual cars & bikes in possible circumstances.

→ Other countries like UK, Japan have promised to become carbon neutral by 2050.

→ It is the right time for India to decarbonize transportation and make India an example to other developing countries.

→ Giving subsidies to set up charging stations and encouraging people to buy electric vehicles will give good result slowly but surely.