

Flex fuel vehicles

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In news- Recently, the Union Minister for Road Transport and Highways called for the manufacturing of Flex Fuel Vehicles (FFV) and Flex Fuel Strong Hybrid Electric Vehicles (FFV-SHEV) complying with BS-6 Norms.

About Flex fuel vehicles(FFV)-

- FFV is also called a **dual-fuel vehicle** is an alternative fuel vehicle with an **internal combustion engine** designed to **run on more than one fuel, usually gasoline blended** with either ethanol or methanol fuel, and both fuels are stored in the same common tank.
- The FFV are **capable to run on a combination of 100% petrol or 100% bio-ethanol** and their blends, along with strong hybrid electric technology in case of FFV-SHEVs
- They are **distinguished from bi-fuel vehicles**, where two fuels are stored in separate tanks and the engine runs on one fuel at a time, for example, compressed natural gas (CNG), liquefied petroleum gas (LPG), or hydrogen.
- In order to accelerate the introduction of Flex Fuel vehicles, the Production Linked Incentive (PLI) scheme has included automobile & auto components and auto components of flex fuel engines.
- NITI Aayog, after acknowledging the strong foundation for the Ethanol blending programme (EBP), has formulated the road map for Ethanol blending for the period 2020-2025.

Extra reading- <https://journalsofindia.com/ethanol-blending-2/>