

CAFE-2 Regulations

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In News

- As of now, the CAFE-2 norms that aim to make cars more fuel efficient are set to come into effect in 2022 and BS-VI stage II norms are set to come into force beginning April 2023.

About CAFE-2 Regulations

- CAFE-2 regulations are in force in many advanced as well as developing nations, including India.
- Aim at lowering fuel consumption (or improving fuel efficiency) of vehicles by lowering Carbon dioxide (CO₂) emissions, thus serving the twin purposes of reducing dependence on oil for fuel and controlling pollution.
- The idea of CAFÉ is to push manufacturers to achieve fuel efficiency targets by producing and selling more fuel-efficient models, including electric vehicles.
- Corporate Average refers to sales-volume weighted average for every auto manufacturer.
- CAFE regulations in India came into force from April 1, 2017. Under this, average corporate CO₂ emission must be less than 130 gm per km till 2022 and below 113 gm per km thereafter.
- The norms are applicable for petrol, diesel, LPG and CNG passenger vehicles.

Mechanics of BS-VI



- ▶ Bharat Stage VI (BS-VI) norms will take effect in India from **1 April 2020**
- ▶ BS-VI is the **most advanced emission standard** for automobiles and is equivalent to Euro-VI norms
- ▶ In order to **reduce vehicular pollution**, the government decided to leapfrog from BS-IV to BS-VI
- ▶ The new norms make on-board diagnostics (**OBD**) **mandatory** for all vehicles
- ▶ The OBD unit can identify likely **areas of malfunction** by means of default codes stored on a computer
- ▶ For two-wheelers, manufacturers will introduce a **fuel injection system**—a first in India