

E85 Fuel

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E85 Fuel Latest News

Recently, the Union Minister for Petroleum and Natural Gas launched E85 fuel at an IndianOil retail outlet in New Delhi.

About E85 Fuel

- It is a **high-ethanol blended fuel** comprising **80-85 per cent ethanol** and **14-19 per cent petrol**, specifically designed for use in flex-fuel vehicles.
- The initiative aims to **facilitate the adoption of Flex-Fuel Vehicles (FFVs)**, which are capable of operating on ethanol blends from E20 to E100, without restricting consumers to a single blend.

Benefits of E85 Fuel

- **Lower Price:** E85 is **priced lower than conventional petrol** to ensure that the economic benefits of domestically produced ethanol are passed on to consumers.

- **Reduce lifecycle Greenhouse gas:** Flex-fuel vehicles operating on E85 can **reduce lifecycle greenhouse gas emissions** by around 61 per cent compared to conventional petrol vehicles.
- **Knock Resistance:** With a **Research Octane Number** (RON) of about 108, ethanol **offers superior knock resistance** that allows engines to operate at higher compression ratios and optimized ignition timing.
- **Cleaner Combustion:** Higher ethanol blends promote cleaner and more complete combustion, **resulting in near-zero particulate matter emissions** contributing to improved urban air quality.

Source: PIB

Source: <https://vajiramandravi.com/current-affairs/e85-fuel/>

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