

LOK SABHA
UNSTARRED QUESTION No.1870
TO BE ANSWERED ON 30th July, 2026

ROLLOUT OF E-25 PETROL

1870. COM. SELVARAJ V:
SHRI SUBBARAYAN K:

पेट्रोलियम और प्राकृतिक गैस मंत्री

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) whether the Government is considering a proposal to roll out petrol blended with twenty-five per cent ethanol, if so, the details thereof; and
- (b) whether there is growing concern over the impact of E-20 petrol on vehicle mileage and performance, if so, the details thereof and the reaction of the Government thereto?

ANSWER

पेट्रोलियम और प्राकृतिक गैस मंत्रालय में राज्य मंत्री
(श्री सुरेश गोपी)

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM & NATURAL GAS
(SHRI SURESH GOPI)

(a) : So far, no decision has been taken by the Government for increasing ethanol blending with petrol beyond 20%. Any future decision regarding higher ethanol blends will be taken only after detailed scientific and technical studies and consultations with all relevant stakeholders, including automobile manufacturers, Oil Marketing Companies and research institutions.

(b): The Ethanol Blended Petrol (EBP) Programme has been implemented through a phased, scientifically validated and consultative process involving NITI Aayog, automobile manufacturers, Oil Marketing Companies (OMCs), Automotive Research Association of India (ARAI), Society of Indian Automobile Manufacturers (SIAM), Indian Institute of Petroleum (IIP) and other technical institutions.

Extensive laboratory studies and field trials conducted by ARAI, SIAM, IOCL, IIP and automobile manufacturers covering parameters such as engine durability, drivability, startability, corrosion resistance, material compatibility, emissions and fuel efficiency have confirmed that E20 is safe for use under prescribed standards.

These studies also established that legacy vehicles do not exhibit any significant variation in performance or abnormal wear and tear due to E20. These extensive laboratory studies, field validation and real-world operating experience have not established any widespread adverse impact on vehicle performance due to E20 fuel.

With regard to mileage, studies by Government agencies and automobile manufacturers indicate that fuel efficiency is influenced by several factors, including driving conditions, driving habits and vehicle maintenance. Any reduction in fuel economy in certain E10-designed vehicles is generally

limited to about 3-5%, while E20 offers a higher-octane rating, superior anti-knock characteristics, cleaner combustion and smoother engine performance.

According to SIAM and ARAI, E20 improves acceleration and ride quality while reducing carbon emissions. Ethanol's higher-octane number supports modern high-compression engines and its higher heat of vaporisation improves combustion efficiency.

Public awareness initiatives are also undertaken to educate consumers about the technical compatibility of E20 fuel with all petrol vehicles without any performance issue and the environmental and energy security benefits of ethanol blending. Consumer feedback received through the grievance redressal mechanisms is regularly monitored by the OMCs, and appropriate corrective measures are taken wherever required to ensure consumer confidence while advancing the Ethanol Blended Petrol (EBP) Programme.
