

GOVERNMENT OF INDIA  
MINISTRY OF PETROLEUM AND NATURAL GAS  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO - 2509**  
ANSWERED ON - 10/08/2026

**PROPOSAL TO ROLL OUT E25 PETROL**

2509. SHRI P. P. SUNEER:

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

- (a) whether Government is considering a proposal to roll out petrol blended with 25 per cent ethanol;
- (b) if so, the details thereof;
- (c) whether it is a fact that there is already growing concern over the impact of E20 petrol on vehicle mileage and performance; and
- (d) if so, the details and Government's reaction thereto?

**ANSWER**

THE MINISTER OF STATE IN THE MINISTRY OF PETROLEUM & NATURAL GAS

(SHRI SURESH GOPI)

(a) to (d): 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.

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.

E15+ blended petrol has been in widespread use for over three-and-a-half years and E19-E20 fuel for over two-and-a-half years. More than 20 crore two-wheelers and over 3 crore petrol cars have been operating on these blends without any verified evidence of widespread engine failure or vehicle breakdown attributable to ethanol blending. Manufacturer service data confirm that there is no abnormal corrosion, wear or reduction in vehicle life due to E20 fuel. Manufacturers

continue to honour warranty obligations for vehicles using E20 fuel, providing further confidence in its safety and reliability.

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%. The use of E-20 gives better acceleration, better ride quality and most importantly, lowered carbon emissions by approximately 30% as compared to E10 fuel. Ethanol's higher-octane number (~108.5 compared to petrol's 84.4) makes Ethanol-blended fuel a valuable alternative for higher-octane requirements that is crucial for modern high-compression engines. Vehicles tuned for E20 deliver better acceleration which is a very important factor in city driving conditions. Additionally, Ethanol's higher heat of vaporization reduces intake manifold temperatures, increasing air-fuel mixture density and boosting volumetric efficiency. Further, E20 results in better anti knocking properties and performance.

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