

GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS
RAJYA SABHA
UNSTARRED QUESTION NO-1225
ANSWERED ON-10/12/2025

IMPLEMENTATION OF E20 FUEL AND VEHICLE SAFETY

1225. SHRI ABDUL WAHAB:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

- (a) Whether Government intends to review the timeline for nationwide implementation of E20 fuel or consider a phased approach based on vehicle compatibility in view of the issues reported by vehicle users;
- (b) The safety evaluations or stress-tests conducted to determine the impact of E20 fuel on critical vehicle components- such as fuel pumps, rubber seals, injectors and catalytic converters; and
- (c) Whether any safety advisories have been issued to prevent accidents or mechanical failures in non-E20-compatible vehicles?

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) to (c) Ethanol is a more environmentally friendly fuel as compared to petrol. Ethanol's higher-octane number compared to petrol makes Ethanol-blended fuels a suitable alternative for higher-octane requirements. Research Octane Number (RON) 95 on blending of Ethanol 20, results in better anti-knock properties and performance. Studies on E-20 conducted by Indian Oil Corporation Limited (IOCL), Society of Indian Automobile Manufacturers (SIAM) and Automotive Research Association of India (ARAI) suggest that vehicles have not shown any significant variations in vehicle performance and no adverse impact on components is observed.
