

GOVERNMENT OF INDIA  
MINISTRY OF PETROLEUM AND NATURAL GAS

**RAJYA SABHA**  
**UNSTARRED QUESTION No. 1267**  
ANSWERED ON 13.02.2023

**REDUCING CARBON EMISSION BY BLENDING**

1267#. DR. LAXMIKANT BAJPAYEE:  
DR. ASHOK KUMAR MITTAL:

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

- (a) whether Government has estimated a reduction in carbon emissions by introducing a 20 per cent ethanol blending in petrol, by the year 2025-26;
- (b) if so, the details thereof;
- (c) whether Government has taken steps across the country to increase the contribution of foodgrain based distilleries in ethanol production, State-wise including Punjab; and
- (d) if so, the details thereof?

**ANSWER**

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

(SHRI RAMESWAR TELI)

(a) & (b): The Roadmap for Ethanol Blending in India 2020-25, prepared by an inter-Ministerial Committee has estimated reduction of carbon monoxide emissions by about 50% in two wheelers and about 30% in four wheelers by using E20 (20% ethanol blending in petrol) compared to E0 (neat petrol). Hydrocarbon emissions are estimated to reduce by 20% in both two wheelers and passenger cars.

(c) & (d): Government has taken various steps to increase the contribution of grain based ethanol production in the country including in the State of Punjab. The Ethanol Interest Subvention Scheme was modified in January 2021 to include grain based distilleries. Under the scheme, a total of 1141 projects, including grain based projects, with estimated ethanol production capacity of approximately 4012 crore litres have been approved. Further, Public Sector Oil Marketing Companies (OMCs) had floated an Expression of Interest (EoI) for signing Long Term Offtake Agreement (LTOA) with upcoming dedicated ethanol plants in ethanol deficit States, including in the State of Punjab, for supply of anhydrous ethanol. Through this EoI, Public Sector OMCs have signed LTOA with 131 Dedicated Ethanol Plant proponents including grain based plants in various States, including Punjab, which will add an estimated production capacity of approx. 745 crore litres per annum of ethanol in next few years

\*\*\*\*\*