

**LOK SABHA**  
**UNSTARRED QUESTION No. 1140**  
**TO BE ANSWERED ON 17<sup>th</sup> DECEMBER, 2018**

**Blending of Ethanol**

**1140. SHRI GUTHA SUKENDER REDDY:**  
**SHRI K. PARASURAMAN:**  
**SHRI KONAKALLA NARAYANA RAO:**

**पेट्रोलियम और प्राकृतिक गैस मंत्री**

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

- (a) whether the Government is aware of the fact that blending of ethanol with petrol is reportedly causing a big damage to the vehicle Engine which is leading to break down of Engine in the end and if so, the details thereof and the reaction of the Government thereto;
- (b) the details of the proportion of the ethanol and petrol mixing;
- (c) whether the Government has any plan of making any revision in mixing ethanol and petrol in view of the possible damage to the engine and if so, the details thereof;
- (d) whether the Government has adopted technology to produce Ethanol from Cellulose and if so, the details thereof;
- (e) whether the Government has considered the partnership with the foreign companies for conducting collaborative Research and Development to boost ethanol production in the country and if so, the details thereof; and
- (f) the innovative steps taken by the Government to increase the other sources of supply of ethanol apart from sugarcane?

**ANSWER**

**पेट्रोलियम और प्राकृतिक गैस मंत्री**  
**(श्री धर्मन्द्र प्रधान)**

**MINISTER OF PETROLEUM & NATURAL GAS**  
**(SHRI DHARMENDRA PRADHAN)**

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(a) to (c) Government is implementing Ethanol Blended Petrol (EBP) Programme through Oil Marketing Companies (OMCs). Ethanol blending in petrol started in 2003 with 5% blending. Studies were carried out by Automotive Research Association of India (ARAI) and Indian Oil Corporation Limited (IOCL) to establish the vehicle performance of 10% ethanol blended petrol (E10). Bureau of Indian Standards (BIS), after consultation with stakeholders concerned, issued fuel specification for E10 blending in 2014. At present, Public Sector

OMCs are selling 10% ethanol blended petrol. Government has notified the National Policy on Biofuels – 2018 in June, 2018, which also provides for EBP Programme.

(d) & (e) Government has opened alternate route for production of ethanol from cellulosic and lignocellulosic feedstock (second generation ethanol). Research and Development Wings of Public Sector OMCs, Department of Biotechnology, etc. undertake research and development work to boost ethanol production from second generation route.

(f) In June, 2018, the Government has notified National Policy on Biofuels – 2018, which provides for ethanol production from other sources viz. sugar containing materials like sugar beet, sweet sorghum etc.; starch containing materials such as corn, cassava, rotten potatoes, algae etc.; cellulosic materials such as bagasse, wood waste, agricultural and forestry residues or other renewable resources like industrial waste including petrochemical route; damaged food grains, surplus food grains during surplus season and fruit & vegetable wastes.

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