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Sl. No.	Technologies
46.	Use of Microturbine in Linch field of Mehsana Asset and Geleki field of Assam Assets for power generation thereby reduction in flaring.
47.	Heavy oil operating system (HOOS Technologies), an artificial lift technology using Oleophylic continuous belt for transporting the crude oil to the surface, used in Ahmedabad Asset.

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#### **Impact of ethanol blending in petrol**

1251. SHRI K.J. ALPHONS: Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) what has been the impact of ethanol blending in petrol on environmental pollution;
- (b) the percentage of ethanol that is blended in petrol; and
- (c) the saving of PSU oil companies due to ethanol blending?

THE MINISTER OF PETROLEUM AND NATURAL GAS (SHRI DHARMENDRA PRADHAN): (a) Lab studies on vehicles have shown lower carbon monoxide and hydrocarbon emissions while using petrol blended with 10% ethanol.

(b) and (c) Oil Marketing Companies are blending 10 per cent ethanol in petrol as per availability of ethanol in line with the direction of the Government from time to time. Ethanol Blended Petrol (EBP) Programme is aimed at achieving multiple outcomes such as reducing import dependency, conserving foreign exchange, reducing carbon emissions and provide boost to agriculture sector.

#### **Bio-fuel production in the country**

1252. SHRI KANAKAMEDALA RAVINDRA KUMAR: Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) whether Government has taken note of the fact that India being a large agricultural economy, a large amount of agricultural residue is available which can be used to produce bio-fuel in the country;
- (b) if so, the details thereof;
- (c) whether Government has undertaken any research activity in this field and taken any concrete steps to promote bio-fuel production in the country; and