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GOVERNMENT OF INDIA  
MINISTRY OF PETROLEUM AND NATURAL GAS  
LOK SABHA

UNSTARRED QUESTION NO: 3239

ANSWERED ON: 09.08.2021

National Policy on Bio-fuels

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Will the Minister of

be pleased to state:-

PETROLEUM AND NATURAL GAS

- (a) whether the National Biomass Repository proposed under the National Policy on Bio-fuels, 2018 has been operationalised, if so, the details thereof and if not, the reasons therefor;
- (b) whether any second-generation (2G) ethanol technologies and biorefineries have been developed as proposed under the National Policy on Biofuels, if so, the details thereof and if not, the reasons therefor;
- (c) the volume of ethanol and biodiesel domestically produced during the last three years and the current year; and
- (d) the number of Second Generation(2G) bio-ethanol manufacturing projects supported including the details of funds allocated and disbursed under Pradhan Mantri JI-VAN Yojana, year-wise, from inception till date?

## ANSWER

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM &  
NATURAL GAS  
(SHRI RAMESWAR TELI)

(a): National Policy on Bio-fuels, 2018 envisages creation of a National Biomass Repository by conducting appraisal of biomass across the Country. Technology Information, Forecasting and Assessment Council (TIFAC), an autonomous organisation under Department of Science and Technology (DST) has published a study report titled 'Estimation of Surplus Crop Residue in India for Biofuel Production' jointly with Indian Agriculture Research Institute (IARI).

As a follow up to the aforesaid study, TIFAC along with National Remote Sensing Centre (NRSC), Hyderabad has carried out an estimation of residual biomass and

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its energy potential on PAN India basis on a further disaggregated at a level of 1 square kilometre through spatial information system. This has focussed on four major crops namely rice, wheat, sugarcane and cotton.

(b): The Government has allowed procurement of ethanol produced from other non-food feedstocks besides molasses, like cellulosic and lignocellulosic materials including petrochemical route. Oil PSUs have entered into Memorandum of Understanding (MoUs) with State Governments and Technology Providers for 2G ethanol bio-refineries. Oil Public Sector Undertakings (PSUs) have planned to set up second generation (2G) ethanol bio-refineries to augment ethanol supplies for Ethanol Blended Petrol (EBP) Programme at Panipat in Haryana, Bathinda in Punjab, Bargarh in Odisha, Numaligarh in Assam and Davangere in Karnataka.

(c): Under the Ethanol Blended Petrol (EBP) Programme, the quantity of ethanol supplied for Ethanol Supply Year (ESY) 2017-18, 2018-19, 2019-20 and ongoing ESY 2020-21 as on 02.08.2021 is 150.50 crore litres, 188.57 crore litres, 173.03 crore litres and 209.67 (till 02.08.2021) crore litres respectively. The details of biodiesel procured by PSU OMCs for blending with diesel during the years 2018-19, 2019-20, 2020-21 and 2021-22 (April to July) are 8.22, 10.55, 0.51 and 0.05 crore litres respectively.

(d): Government has approved financial support of Rs. 150 crore each to 4 commercial projects at Bathinda (Punjab) of HPCL, Panipat (Haryana) of IOCL, Bargarh (Odisha) of BPCL and Numaligarh (Assam) of NRL & Rs 15 crore to 1 demo plant at Panipat (Haryana) of IOCL under the Pradhan Mantri JI-VAN Yojana.

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