

**LOK SABHA**  
**UNSTARRED QUESTION No. 191**  
**TO BE ANSWERED ON 2<sup>nd</sup> February, 2023**

**National Policy on Bio-fuels**

†191. SHRI GUMAN SINGH DAMOR:

पेट्रोलियम और प्राकृतिक गैस मंत्री

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

- (a) the details and salient features of National Policy on Bio-fuel;
- (b) the extent to which air pollution is likely to be reduced by using Bio-fuel along with the details of the quantum of Bio-fuel being produced at present, State/UT-wise;
- (c) the amount of crude oil and natural gas being produced per year in the country along with the percentage of production being supplied out of the said production to fulfil the requirement of the country, State/UT-wise; and
- (d) the number of households provided paid and free LPG connections under the Pradhan Mantri Ujjawala Yojana during the last eight years along with the number of women and children in rural areas whose health has been secured through the Ujjawala Gas Yojana, State/UT-wise?

**ANSWER**

पेट्रोलियम और प्राकृतिक गैस मंत्रालय में राज्य मंत्री  
(श्री रामेश्वर तेली)

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

- (a): The salient features of the National Policy on Bio-fuel-2018 as amended on 15<sup>th</sup> June, 2022 are as under :
- (i) Categorization of biofuels as “Basic Biofuels” and “Advanced Biofuels”;
  - (ii) Incentives, off-take assurance and viability gap funding for advanced biofuels;
  - (iii) Allowing multiple feedstocks for production of biofuels;
  - (iv) Setting up of supply chain mechanisms for biodiesel production from non-edible oilseeds, Used Cooking Oil, short gestation crops;
  - (v) Synergy of efforts by defining roles and responsibilities of all the concerned Ministries/Departments with respect to biofuels;

- (vi) advancing the ethanol blending target of 20% blending of ethanol in petrol to Ethanol Supply Year (ESY) 2025-26 from 2030;
- (vii) promotion of the production of biofuels in the country, under the Make in India program, by units located in Special Economic Zones (SEZ)/Export Oriented Units (EoUs); and
- (viii) grant of permission for export of biofuels in specific cases.

(b): The Public Sector Oil Marketing Companies (OMCs) have procured 80.09 crore litres of ethanol up to 30<sup>th</sup> January, 2023 for blending in petrol during the ESY 2022-23 and approximately 6 crore litres of bio-diesel for blending with diesel during the financial year 2022-23. Further, 57 Bio-CNG projects including 40 under the Sustainable Alternative Towards Affordable Transportation (SATAT) initiative have been commissioned till 31.12.2022.

The State/UT-wise details of ethanol procured for blending by PSU OMCs and Bio-CNG projects including projects set up under SATAT initiative up to 31<sup>st</sup> December, 2022 are at Annexure-I.

The Roadmap for Ethanol Blending in India 2020-25, prepared by an inter-Ministerial Committee for ethanol as a bio-fuel 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): The details of the amount of crude oil and natural gas produced in the country during the year 2021-22 all of which were supplied to fulfil the requirement within the country are at Annexure-II.

(d): Over 9 crore households have been provided LPG connections under the Pradhan Mantri Ujjwala Yojana (PMUY) as on 01.01.2023. Details attached as Annexure -III.

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## Annexure-I

### ANNEXURE-I REFERRED TO IN REPLY TO PART (b) OF LOK SABHA UNSTARRED QUESTION No. 191 FOR 02.02.2023 REGARDING NATIONAL POLICY ON BIO-FUELS.

State/UT-wise details of Installed capacity of Bio-CNG projects including projects set up under SATAT initiative, commissioned as on 31.12.2022.

	State/UT	No. of projects	Bio-CNG Production capacity (kg/Day)
1.	Andhra Pradesh	5	4780
2.	Chhattisgarh	1	400
3.	Gujarat	13	55566
4.	Haryana	5	14450
5.	Karnataka	4	10621
6.	Madhya Pradesh	3	19200
7.	Maharashtra	7	48223
8.	Punjab	3	36847
9.	Rajasthan	2	4000
10.	Tamil Nadu	3	28400
11.	Telangana	3	7400
12.	Uttar Pradesh	5	22700
13.	Uttarakhand	2	5880
14.	West Bengal	1	6000
	<b>Grand Total</b>	<b>57</b>	<b>264467</b>

Source: Ministry of New & Renewable Energy

State/UT-wise details of Ethanol procured for blending by PSU OMCs as on 30.01.2023:

	State/UT	Ethanol Quantity Receipt (Crore Litres)
1.	Andhra Pradesh	3.98
2.	Assam	1.13
3.	Bihar	2.22
4.	Chhattisgarh	1.47
5.	Delhi	2.10
6.	Goa	0.33
7.	Gujarat	5.25
8.	Haryana	4.59
9.	Himachal Pradesh	0.30
10.	Jammu & Kashmir	0.12
11.	Jharkhand	0.94
12.	Karnataka	5.72
13.	Kerala	4.06
14.	Madhya Pradesh	2.88
15.	Maharashtra	9.74
16.	Odisha	1.55
17.	Punjab	2.66
18.	Rajasthan	3.10
19.	Tamil Nadu	8.05
20.	Telangana	3.91
21.	Uttar Pradesh	13.48
22.	Uttarakhand	0.61
23.	West Bengal	1.90
	<b>Total</b>	<b>80.09</b>

## Annexure-II

### ANNEXURE-II REFERRED TO IN REPLY TO PART (c) OF LOK SABHA UNSTARRED QUESTION No. 191 FOR 02.02.2023 REGARDING NATIONAL POLICY ON BIO-FUELS.

#### State-wise production of Crude Oil and Natural Gas during 2021-22:

- **Crude Oil Production (in TMT)**

State/Region	2021-22
Andhra Pradesh	202
Arunachal Pradesh	48
Assam	3988
Gujarat	4627
Rajasthan	5887
Tamil Nadu	367
Tripura	3
West Bengal	0
Offshore	14569
<b>Total</b>	<b>29691</b>

- **Natural Gas Production (in MMSCM)**

State/Region	2021-22
Andhra Pradesh	809
Arunachal Pradesh	58
Assam	3371
Gujarat	1017
Jharkhand	4
Madhya Pradesh	290
Rajasthan	2619
Tamil Nadu	1067
Tripura	1531
West Bengal	389
Offshore	22869
<b>Total Natural Gas Production</b>	<b>34024</b>

**Annexure-III****ANNEXURE-III REFERRED TO IN REPLY TO PART (d) OF LOK SABHA UNSTARRED QUESTION No. 191 FOR 02.02.2023 REGARDING NATIONAL POLICY ON BIO-FUELS.****State/UT-wise number of connections released by Public Sector OMCs from April, 2014 to December, 2022 under PMUY scheme.**

<b>State/UT</b>	<b>Number of PMUY (including Ujjwala 2.0) Connections released</b>
Andaman and Nicobar Islands	13,447
Andhra Pradesh	5,12,466
Arunachal Pradesh	49,326
Assam	44,02,403
Bihar	1,07,30,847
Chandigarh	661
Chhattisgarh	34,94,708
D & NH and Daman & Diu	15,030
Delhi	1,42,343
Goa	1,222
Gujarat	38,44,040
Haryana	7,67,674
Himachal Pradesh	1,40,841
UT of Jammu and Kashmir	12,45,339
Jharkhand	36,47,725
Karnataka	37,59,465
Kerala	3,41,270
UT of Ladakh	11,092
Lakshadweep	316
Madhya Pradesh	82,28,808
Maharashtra	48,90,552
Manipur	2,02,081
Meghalaya	2,14,988
Mizoram	33,607
Nagaland	92,066
Odisha	53,25,042
Puducherry	14,834
Punjab	12,84,059
Rajasthan	69,28,018
Sikkim	13,798
Tamil Nadu	37,06,464
Telangana	11,52,950
Tripura	2,83,577
Uttar Pradesh	1,75,07,223
Uttarakhand	4,97,842
West Bengal	1,23,73,995
<b>All India TOTAL</b>	<b>9,58,70,119</b>