

GOVERNMENT OF INDIA
MINISTRY OF PETROLEUM AND NATURAL GAS

RAJYA SABHA
UNSTARRED QUESTION No. 632
ANSWERED ON 12.12.2022

ETHANOL PRODUCTION

632. SHRI V. VIJAYASAI REDDY:

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

- (a) the details of 1st Generation and 2nd Generation ethanol being produced in the country during last five years and current year, year-wise and State-wise;
- (b) whether Government will push for 2nd Generation ethanol to achieve 20 per cent blending by 2025;
- (c) if so; details of plan of action that Government has to achieve this; and
- (d) the efforts being made by Government to buy stubble from farmers who are burning them, for production of ethanol and will also help to prevent pollution?

ANSWER

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

(SHRI RAMESWAR TELI)

(a) to (d): The details of year-wise and State-wise procurement of 1st Generation ethanol by Public Sector Oil Marketing Companies (OMCs) for the last five years is at Annexure. Second Generation (2G) ethanol is envisaged as an emerging contributor to achieving 20% blending. Accordingly, Government has notified Pradhan Mantri JI-VAN (Jaiv Indhan – Vatavaran Anukool fasal awashesh Nivaran) Yojana for promoting 2G ethanol production from cellulosic and lignocellulosic biomass including petrochemical route in the country by providing financial support for setting up 2G ethanol bio-refineries. Oil Central Public Sector Enterprises (CPSEs) are setting up stubble based 2G ethanol bio-refineries at Panipat (Haryana), Bathinda (Punjab) and Bargarh (Odisha) apart from one bamboo based bio-refinery at Numaligarh (Assam) and one demonstration project at Panipat. The 2G Bio-refinery at Panipat has been dedicated to the Nation. Plants at Bathinda, Bargarh, Numaligarh are in advanced stages of construction. For biomass based 2G plants, Oil CPSEs coordinate with State Governments, farmers, aggregators and other stake holders for procurement of biomass.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF RAJYA SABHA UNSTARRED QUESTION No. 632 FOR 12.12.2022 REGARDING ETHANOL PRODUCTION.

Quantity of ethanol received by PSU OMCs (Crore Litre)					
Ethanol Supply Year (ESY –01st December to 30th November)	2017-18	2018-19	2019-20	2020-21	2021-22 (01.12.2021 to 15.11.2022)
State					
Andhra Pradesh	6.49	10.16	5.34	13.51	16.19
Assam	0.00	0.00	0.00	0.00	3.80
Bihar	6.27	6.84	8.39	9.90	13.09
Chhattisgarh	0.00	3.26	4.70	7.62	7.52
Delhi	10.91	8.40	6.69	7.02	10.82
Goa	1.18	1.21	0.79	2.12	2.18
Gujarat	6.68	13.36	12.36	18.41	20.99
Haryana	7.35	12.38	13.07	14.44	20.29
Himachal Pradesh	0.00	0.07	1.62	2.75	2.61
Jammu & Kashmir	0.00	0.00	0.00	0.52	0.89
Jharkhand	0.00	0.07	2.41	4.17	5.73
Karnataka	17.81	19.40	18.77	24.71	30.63
Kerala	0.00	0.00	0.00	8.97	18.04
Madhya Pradesh	1.79	9.31	10.24	13.77	16.47
Maharashtra	35.99	29.78	21.92	39.48	48.67
Odisha	0.00	0.00	0.35	4.43	9.49
Punjab	6.56	10.40	11.53	14.20	15.78
Rajasthan	0.10	4.10	2.67	12.91	19.09
Tamil Nadu	0.99	7.48	3.52	23.27	33.23
Telangana	10.90	8.88	4.65	14.23	16.95
Uttar Pradesh	34.01	38.70	40.15	53.19	59.32
Uttarakhand	2.00	2.45	2.44	2.82	2.48
West Bengal	1.47	2.30	1.44	3.10	11.64
Grand Total	150.51	188.57	173.03	295.55	385.92