

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 3176
ANSWERED ON 28.03.2023

BIO-ENERGY PLANTS IN WEST BENGAL

3176. SMT. MAUSAM NOOR

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) the details of bio-energy plants established by the Ministry in the past five years, State-wise;
- (b) the details of bio-energy plants established and those being planned for the State of West Bengal;
- (c) the details of biomass power and bagasse/ Non-bagasse cogeneration projects installed in the country, State-wise; and
- (d) the details of programmes launched for the promotion of efficient technologies for use of biomass energy in various sectors of the economy?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER
(SHRI R.K. SINGH)

(a) & (b) The details of bioenergy plants set up in the country, including in the State of West Bengal, during the last five years (from FY 2017-18 to FY 2021-22) State-wise are attached at **Annexure-I**.

In addition, six bioenergy plants with a cumulative installed capacity of 10 MWeq are at various stages of implementation in the State of West Bengal. The details are placed at **Annexure-II**.

(c) State-wise details of biomass power and bagasse/ Non-bagasse cogeneration projects installed in the country are placed at **Annexure-III**.

(d) The Government has taken various steps to promote the establishment of new and efficient biomass energy plants across the country which, *inter alia*, include the following:

(i) The Ministry of New and Renewable Energy has notified the National Bioenergy Programme in November, 2022 with budgetary outlay of Rs. 1715 Crore for a period 01.04.2021 to 31.03.2026 to be implemented in two phases. The first phase has budget outlay of Rs. 858 Crore. This Programme supports setting up of Bioenergy plants by providing Central financial assistance.

(ii) The Ministry of Petroleum and Natural Gas has launched the Sustainable Alternative Towards Affordable Transportation (SATAT) initiative in October, 2018 which assures offtake of BioCNG/Compressed Biogas (CBG) after purification through Oil Marketing Companies (OMCs) for sale as automotive fuels.

(iii) Under the GOBARDHAN scheme implemented by Department of Drinking Water and Sanitation, Ministry of Jal Shakti, a financial assistance upto Rs. 50.00 lakh per district is available for setting up of community biogas plants in villages, blocks / district.

(iv) Ministry of Power has notified SAMARTH Mission (National Mission on Use of Biomass in Thermal Power Plants) for promoting the blending of biomass in the existing coal powered thermal power plants.

(v) Central Pollution Control Board, Ministry of Environment, Forest and Climate Change has notified guidelines to provide financial support for setting up of Biomass Pellet plants in the NCT of Delhi, states of Punjab and Haryana and NCR districts of Rajasthan and Uttar Pradesh.

Annexure referred to in reply to part (a) of the RS USQ 3176 to be answered on 28.03.2023 regarding “Bio-energy plants in West Bengal”

State-wise details of Bioenergy plants established in past five years (from FY 2017-18 to FY 2021-22) in the country

S.No.	State	Capacity of Bio-energy plants excluding small Bio-gas plants (MWeq)	No. of small Bio-gas plants
1	Andhra Pradesh	43.732	11581
2	Arunachal Pradesh	0	69
3	Assam	0	9641
4	Bihar	13.72	254
5	Chhattisgarh	30.23	6896
6	Delhi	24	0
7	Goa	0.34	8
8	Gujarat	41.31	2454
9	Haryana	72.91	1965
10	Himachal Pradesh	0	115
11	Jammu & Kashmir	0	17
12	Jharkhand		292
13	Karnataka	355.308	21279
14	Kerala	1.6	4208
15	Madhya Pradesh	10.392	13875
16	Maharashtra	513.034	33196
17	Manipur	0	0
18	Meghalaya	0	667
19	Mizoram	0	255
20	Nagaland	0	0
21	Odisha	0	954
22	Punjab	68.159	10557
23	Rajasthan	0	1312
24	Sikkim	0	0
25	Tamilnadu	120.29	1202
26	Telangana	38.74	309
27	Tripura	0	133
28	Uttar Pradesh	48.671	1201
29	Uttarakhand	0.59	3997
30	West Bengal	1.36	448
	Total	1384.386	126885

Annexure referred to in reply to parts (b) of the RS USQ 3176 to be answered on 28.03.2023 regarding “Bio-energy plants in West Bengal”

Bioenergy plants under various stages of implementation in West Bengal as on date:

Type of the project	No. of Bioenergy projects	Capacity (in MWeq)
Biogas (more than 2500 m3/day production)	1	2.00
Biomass Gasifier	2	1.56
Power (based on biogas)	1	1.50
Biogas power (off-grid project)	1	0.05
Biomass (non-bagasse) cogeneration project	1	4.90
Total	6	10.01

Annexure referred to in reply to part (c) of the RS USQ 3176 to be answered on 28.03.2023 regarding “Bio-energy plants in West Bengal”

State-wise details of Biomass Power and Bagasse/Non-bagasse cogeneration projects installed in the country as on date

S.No.	State	Total installed capacity of Biomass Power, Bagasse Cogeneration and Non-bagasse Cogeneration Plant as on date (MW)
1	Andhra Pradesh	483.67
2	Arunachal Pradesh	0
3	Assam	2
4	Bihar	124.7
5	Chhattisgarh	274.59
6	Delhi	0
7	Goa	0
8	Gujarat	77.3
9	Haryana	240.66
10	Himachal Pradesh	9.2
11	Jammu & Kashmir	0
12	Jharkhand	4.3
13	Karnataka	1887.3
14	Kerala	2.27
15	Madhya Pradesh	107.347
16	Maharashtra	2584.4
17	Manipur	0
18	Meghalaya	13.8
19	Mizoram	0
20	Nagaland	0
21	Odisha	59.22
22	Punjab	481.15
23	Rajasthan	121.25
24	Sikkim	0
25	Tamilnadu	1012.65
26	Telangana	160.1
27	Tripura	0
28	Uttar Pradesh	2117.26
29	Uttarakhand	130.22
30	West Bengal	338.62
	Total	10232.007