

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-4550
TO BE ANSWERED ON-22.03.2018

NATIONAL BIOGAS & MANURE MANAGEMENT PROGRAMME

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

- (a) the salient features of the National Biogas and Manure Management Programme (NBMMP) and the current status of its implementation in the country;
- (b) whether the Government proposes to promote the bio-gas plants in villages and if so, the details thereof;
- (c) the total number of bio-gas plants that have been set up so far under the said Programme along with the quantum of power being generated in terms of megawatt from the same, State-wise;
- (d) the details of non-functional/ closed bio-gas plants in the country including Tamil Nadu, State-wise;
- (e) whether the Government has taken any steps to spread the awareness regarding the benefits of the said Programme and if so, the details thereof; and
- (f) the steps taken/being taken by the Government to increase the production of bio-gas along with the introduction of new-technology in bio-gas plants of the country including Tamil Nadu?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER (I/C)
(SHRI R.K. SINGH)

(a) & (b) The National Biogas and Manure Management Programme (NBMMP) aims at setting up of family type biogas plants for providing biogas as clean cooking fuel and a source of lighting. The slurry produced from biogas plants as a by-product is an organic bio-manure for enhancing crop yield and maintaining soil health. The biogas technology dissemination helps in reducing the environment degradation and prevents the emissions of Green House Gases (GHGs) such as Carbon Dioxide (CO₂) and Methane into the atmosphere. The Ministry of New and Renewable Energy (MNRE) has fixed an annual physical target of setting up 65180 biogas plants for the current year 2017-18 under the NBMMP.

(c) Under the NBMMP, about 49.6 lakh household size biogas plants have been installed since the inception of the National Biogas Programme in the country. The state-wise details of the biogas plants installed and the estimated generation of biogas in cubic meters per annum, taking average plant life as 20 years is given in Annexure – I

(d) The State-wise details of the non-functional/ closed biogas plants in 10 States as brought out by an independent evaluation study for the family type biogas plants installed during the 12th Five Year Plan Period under the NBMMP are given as Annexure – II. In addition, as per the monitoring and evaluation work carried out by Biogas Development and Training Centers (BDTCs) under the NBMMP, the details of the non-functional plants in 13 States including the State of Tamil Nadu are given in Annexure-III.

(e) The Ministry of New and Renewable Energy (MNRE), through the State Nodal Agencies/ Departments, spreads awareness about the programme (NBMMP) through advertisements in local Newspapers, display of posters in Panchayats Offices, Schools, Kisan Seva Kendras, distribution of booklets on biogas during gatherings at exhibitions, Kisan Melas/Fairs etc.

(f) The MNRE has taken various steps to increase the production of biogas in the country including Tamil Nadu which include introduction of new biogas plant designs under the NBMMP such as floating design Shakti Surabhi Model, Solid-State Deenbandhu design model of biogas plants.

ANNEXURE-I

ANNEXURE-I REFERRED TO IN REPLY TO THE PART (c) OF THE LOK SABHA UNSTARRED QUESTION NO 4550 TO BE ANSWERED ON 22.03.2018 ON “NATIONAL BIOGAS & MANURE MANAGEMENT PROGRAMME”

The State/UT-wise details of cumulative biogas plants installed since inception of the National Programme for Biogas Development (NPBD) and under the National Biogas and Manure Management Programme (NBMMP) (1981-82 to 2016-17).

Sl. No	State/ Union Territories	Cumulative achievements up to 2016-17 (in Nos.)	Estimated Biogas Production Cubic Meter per annum
1	2	3	4
1.	Andhra Pradesh	549235	212499350
2.	Arunachal Pradesh	3555	1375320
3.	Assam	130375	50441540
4.	Bihar	129844	50236410
5.	Chhattisgarh	54825	21211610
6.	Goa	4230	1635930
7.	Gujarat	433317	167650340
8.	Haryana	62085	24020650
9.	Himachal Pradesh	47650	18436150
10.	Jammu & Kashmir	3163	1223480
11.	Jharkhand	7579	2931680
12.	Karnataka	491764	190263550
13.	Kerala	149568	57867830
14.	Madhya Pradesh	365689	141484950
15.	Maharashtra	899472	348005600
16.	Manipur	2128	823440
17.	Meghalaya	10196	3944920
18.	Mizoram	5412	2093640

19.	Nagaland	7953	3076950
20.	Odisha	270880	14803180
21.	Punjab	177445	68653580
22.	Rajasthan	71231	27558960
23.	Sikkim	9044	3498890
24.	Tamil Nadu	222870	86228330
25.	Telangana	22591	8740290
26.	Tripura	3620	1400870
27.	Uttar Pradesh	440713	170511940
28.	Uttarakhand	21558	8340980
29.	West Bengal	366974	141982080
30.	A&N Islands	137	53290
31.	Chandigarh	97	37230
32.	Dadra & Nagar Haveli	169	65700
33.	Delhi/ New Delhi	681	263530
34.	Puducherry	578	223380
	Total	49,66,628	1,83,15,85,570

ANNEXURE-II REFERRED TO IN REPLY TO THE PART (d) OF THE LOK SABHA UNSTARRED QUESTION NO 4550 TO BE ANSWERED ON 22.03.2018 ON “NATIONAL BIOGAS AND MANURE MANAGEMENT PROGRAMME”.

The State wise details of Non-functional and functional biogas plants under the National Biogas and Manure Management Programme (NBMMP) as brought out by an Independent Evaluation Study conducted in 2017-18.

Operational Status-Overall Biogas plants						
Sl. No.	States	Total No of Biogas Plants	Nonfunctional / Operating	Functional	% of Nonfunctional	Functional (%)
1.	Assam	1345	129	1216	9.6%	90.4%
2.	Chhattisgarh	539	46	493	8.5%	91.5%
3.	Gujarat	487	7	480	1.4%	98.6%
4.	Kerala	577	2	575	0.3%	99.7%
5.	Maharashtra	2747	4	2743	0.1%	99.9%
6.	Odisha	657	31	626	4.7%	95.3%
7.	Punjab	1405	1	1404	0.1%	99.9%
8.	Rajasthan	132	1	131	0.8%	99.2%
9.	Sikkim	32	8	24	25%	75%
10	Telangana	947	85	862	9%	91%
	Total	8868	314	8554	3.5%	96.5%

ANNEXURE – III

ANNEXURE-III REFERRED TO IN REPLY TO THE PART (d) OF THE LOK SABHA UNSTARRED QUESTION NO 4550 TO BE ANSWERED ON 22.03.2018 ON “National Biogas & Manure Management Programme”

Details of Non-functional and functional family type biogas plants in accordance with the monitoring and evaluation work carried out during the year 2015-16 and 2016-17 by the Biogas Development and Training Centres (BDTCs) under NBMMP

Sl. No.	Name of the State	Total plants inspected during the study	Nos. of biogas plants operating	No. of biogas plants not operating	Functionality rate (%)
1	Uttar Pradesh	60	60	-	100
2	Uttarakhand	16	16	-	100
3	Haryana	3	3	-	100
4	Assam	956	895	61	93.6
5	Punjab	1000	989	11	98.9
6	Odisha	250	199	51	79.6
7	Tamil Nadu	913	760	153	83.2
8	Rajasthan	736	736	-	100
9	Karnataka	182	172	10	94.5
10	Madhya Pradesh	314	291	23	92.7
11	Gujarat	55	55	-	100
12	Maharashtra	676	641	35	94.8
13	Chhatishgarh	286	223	63	77.9
	Total	5447	5040	407	92.5
