

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1978**  
TO BE ANSWERED ON 28.07.2016  
**INSTALLATION OF BIO-GAS PLANTS**

1978. **SHRI RAM KUMAR SHARMA:**  
**DR. K. GOPAL:**

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

- (a) whether it is a fact that a scheme for installation of one lakh bio-gas plants has been formulated, if so, whether the Government has asked the States for the setting up of these plants, if so, the details thereof;
- (b) whether this move is expected to result in a saving of 21.9 lakh LPG cylinders, if so, the details thereof;
- (c) whether the Government proposes to provide grants to States to provide subsidy for setting up of biogas plants, if so, the details thereof ; and
- (d) whether any assessment of the power production has been made under the scheme and if so, the quantum of estimated production of power therefrom?

**ANSWER**

MINISTER OF STATE FOR POWER, COAL , NEW & RENEWABLE ENERGY & MINES (SHRI PIYUSH GOYAL)

**(a):** Yes, Madam. A target for setting up of one lakh biogas plants of household size has been fixed for the current year, 2016-17, under the scheme of National Biogas and Manure Management Programme (NBMMP). The same has been communicated to the States for setting up of biogas plants. The State/UT-wise details of the targets is given at Annexure-I.

**(b):** The setting-up of one lakh family type biogas plants under the NBMMP scheme of the Ministry of New and Renewable Energy has potential to save LPG equivalent of about 22.25 lakh domestic cylinders per annum. The estimate has been worked out by taking an average size of the family type biogas plant of 2 m<sup>3</sup>, per day. The detail of the estimated saving of domestic LPG equivalent cylinders is given in Annexure-II.

**(c):** Yes, Madam. The existing guidelines of the scheme provides for release of funds to the States including subsidy for setting up biogas plants. The details of the rates of subsidy applicable for the current year are given at Annexure – III.

**(d):** No, Madam. The assessment, particularly about the potential of power production from the biogas plants being set up under the NBMMP scheme has not been made as the objective of the scheme is to provide clean gaseous fuel for meeting cooking fuel requirements and upto certain extent lighting in the rural and remote areas of the country.

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## ANNEXURE-I

ANNEXURE-I, REFERRED TO IN REPLY TO PART (a) OF THE LOK SABHA UNSTARRED QUESTION NO. 1978 FOR ANSWER ON 28.07.2016 REGARDING 'INSTALLATION OF BIO-GAS PLANTS'.

### **State-wise Physical Targets under National Biogas and Manure Management Programme (NBMMP) for the year 2016-17 for Family Type Biogas Plants**

| <b>Sl. No.</b> | <b>Name of the States/KVIC/ BDTCs</b>                             | <b>Total target allocated (in Nos.)</b> |
|----------------|---|---|
| 1.             | Andhra Pradesh  | 10200                                   |
| 2.             | Arunachal Pradesh   | 100                                     |
| 3.             | Assam   | 9000                                    |
| 4.             | Chhattisgarh  | 3050                                    |
| 5.             | Goa   | 100                                     |
| 6.             | Gujarat   | 2500                                    |
| 7.             | Haryana   | 1000                                    |
| 8.             | Himachal Pradesh  | 150                                     |
| 9.             | Jammu & Kashmir   | 100*                                    |
| 10.            | Jharkhand   | 200                                     |
| 11.            | Karnataka   | 10000                                   |
| 12.            | Kerala  | 2850                                    |
| 13.            | Madhya Pradesh  | 8000                                    |
| 14.            | Maharashtra   | 14500                                   |
| 15.            | Meghalaya   | 200                                     |
| 16.            | Mizoram   | 500                                     |
| 17.            | Nagaland  | 300                                     |
| 18.            | Odisha  | 4000                                    |
| 19.            | Punjab  | 5000                                    |
| 20.            | Sikkim  | 250                                     |
| 21.            | Tamilnadu   | 300                                     |
| 22.            | Telangana   | 12300                                   |
| 23.            | Tripura   | 400                                     |
| 24.            | Uttar Pradesh   | 1100                                    |
| 25.            | Uttarakhand   | 1400                                    |
| 26.            | KVIC, Mumbai  | 8000#                                   |
|                | <b>Sub total</b>  | <b>95500</b>                            |
| 27.            | BDTC, IIT Guwahati<br>(Assam, Meghalaya, Tripura and West Bengal) | 500                                     |
| 28.            | BDTC, MPUAT, Udaipur(Rajasthan)                                   | 1000                                    |
| 29.            | BDTC, IIT Delhi (UK, UP, Delhi and Haryana)                       | 500                                     |
| 30.            | BDTC, UAS, Bangalore (Karnataka)                                  | 1000                                    |
| 31.            | BDTC, PAU, Ludhiana (Punjab, HP & J&K)                            | 1500                                    |
|                | <b>Sub total</b>  | <b>4500</b>                             |
|                | <b>Grand Total</b>  | <b>100000</b>                           |

[\* Subject to refund of outstanding amount of previous years lying with the State Govt. ]

[Note: Not exceeding the targets over 10% of the total as given in the last column]

[# For KVIC, Mumbai national target 8000 {6500 (5700 Gen.+800 NEZ) and 1500 SCP target}]

**ANNEXURE-II**

ANNEXURE-II, REFERRED TO IN REPLY TO PART (b) OF THE LOK SABHA UNSTARRED QUESTION NO. 1978 FOR ANSWER ON 28.07.2016 REGARDING 'INSTALLATION OF BIO-GAS PLANTS'.

**Estimated biogas production and saving of domestic LPG cylinder from a target of 1.00 lakh biogas plants during 2016-17 under NBMMP**

| Sl. No. | Name of the States/KVIC/ BDTCs                                    | Total target allocated (in Nos.) | Estimated biogas production in cubic meter per year |
|---------|---|----------------------------------|---|
| 1.      | Andhra Pradesh  | 10200                            | 7446000   |
| 2.      | Arunachal Pradesh   | 100                              | 73000   |
| 3.      | Assam   | 9000                             | 6570000   |
| 4.      | Chhattisgarh  | 3050                             | 2226500   |
| 5.      | Goa   | 100                              | 73000   |
| 6.      | Gujarat   | 2500                             | 1825000   |
| 7.      | Haryana   | 1000                             | 730000  |
| 8.      | Himachal Pradesh  | 150                              | 109500  |
| 9.      | Jammu & Kashmir   | 100*                             | 73000   |
| 10.     | Jharkhand   | 200                              | 146000  |
| 11.     | Karnataka   | 10000                            | 7300000   |
| 12.     | Kerala  | 2850                             | 2080500   |
| 13.     | Madhya Pradesh  | 8000                             | 5840000   |
| 14.     | Maharashtra   | 14500                            | 10585000  |
| 15.     | Meghalaya   | 200                              | 146000  |
| 16.     | Mizoram   | 500                              | 365000  |
| 17.     | Nagaland  | 300                              | 219000  |
| 18.     | Odisha  | 4000                             | 2920000   |
| 19.     | Punjab  | 5000                             | 3650000   |
| 20.     | Sikkim  | 250                              | 182500  |
| 21.     | Tamilnadu   | 300                              | 219000  |
| 22.     | Telangana   | 12300                            | 8979000   |
| 23.     | Tripura   | 400                              | 292000  |
| 24.     | Uttar Pradesh   | 1100                             | 803000  |
| 25.     | Uttarakhand   | 1400                             | 1022000   |
| 26.     | KVIC, Mumbai  | 8000#                            | 5840000   |
|         | <b>Sub total</b>  | <b>95500</b>                     |   |
| 27.     | BDTC, IIT Guwahati<br>(Assam, Meghalaya, Tripura and West Bengal) | 500                              | 365000  |
| 28.     | BDTC, MPUAT, Udaipur(Rajasthan)                                   | 1000                             | 730000  |
| 29.     | BDTC, IIT Delhi (UK, UP, Delhi and Haryana)                       | 500                              | 365000  |
| 30.     | BDTC, UAS, Bangalore (Karnataka)                                  | 1000                             | 730000  |
| 31.     | BDTC, PAU, Ludhiana (Punjab, HP & J&K)                            | 1500                             | 1095000   |
|         | <b>Sub total</b>  | <b>4500</b>                      |   |
|         | <b>Grand Total</b>  | <b>100000</b>                    | <b>73000000</b>                                     |

[Saving of domestic LPG cylinders per annum =  $73000000 \times 0.433 / 14.2 = 22,25,000$ ]

**Annexure- III**

ANNEXURE-III, REFERRED TO IN REPLY TO PART (c) OF THE LOK SABHA UNSTARRED QUESTION NO. 1978 FOR ANSWER ON 28.07.2016 REGARDING 'INSTALLATION OF BIO-GAS PLANTS'.

**The details of subsidy being provided by the Government for setting up of biogas plants under National Biogas and Manure Management Programme (NBMMP) in the country -**

| Sl. No. | Particulars of Central Financial Assistance (CFA) & States / Regions and Categories   | Family Type Biogas Plants under NBMMP (1 to 6 cubic metre capacity per day ) |                  |
|---------|---|--|------------------|
|         |   | 1 Cubic Metre  | 2- 6 Cubic Metre |
| 1.      | NER States, Sikkim (except plain areas of Assam) and including SC and ST Categories of NE Region States.  | 15,000   | 17,000           |
| 2.      | Plain areas of Assam.   | 10,000   | 11,000           |
| 3.      | Jammu & Kashmir, Himachal Pradesh, Uttrakhand, Nilgiris of Tamil Nadu, Sadar Kurseong & Kalimpong Sub-Divisions of Darjeeling, Sunderbans (W.B.) and Andaman & Nicobar Islands. | 7,000  | 11,000           |
| 4.      | Scheduled Castes / Scheduled Tribes of other than NE Region States including Sikkim & other Hilly States / regions as given in Sl. No.3 above.                                  | 7,000  | 11,000           |
| 5.      | All Others  | 5,500  | 9,000            |

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