

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
QUESTION NO 07.03.2011
ANSWERED ON
BIO GAS PLANTS

1201

Dr. Gyan Prakash Pilonia

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

- (a) the production of bio-gas in the country during the Eleventh Five Year Plan and the achievement thereof; so far, State-wise;
- (b) the reasons for lagging behind the production;
- (c) whether many bio-gas plants are non-functional;
- (d) the reasons behind closure of bio-gas plants; and
- (e) the steps being taken by Government for increasing production by introducing new viable technology in bio-gas plants?

ANSWER

THE MINISTER OF NEW AND RENEWABLE ENERGY

(DR. FAROOQ ABDULLAH)

(a)&(b): Ministry of New and Renewable Energy is implementing National Biogas and Manure Management Programme (NBMMP) and Biogas based Distributed/ Grid Power Generation Programme (BPGP) for installation of family type biogas plants for cooking and small and medium size plants for decentralized power generation applications respectively. Large size biogas plants based on urban and industrial wastes are also being installed under the Programme on Waste to Energy Recovery from Urban and Industrial wastes for biogas based power generation. Application-wise number of biogas plants installed under these programmes along with an estimated capacity of biogas production in the country during the first four years of the 11th plan (upto February, 2011) is given at Annexure – I. The higher cost of biogas plants, reduction in cattle holding by individual families, increasing availability of subsidized LPG and also its free connections in rural areas and relatively low priority given by some of the State Governments for implementation of the biogas programmes have led to some States not achieving 100% of their allocated targets.

(c)&(d):The Ministry of New and Renewable Energy undertook an independent evaluation of the National Biogas and Manure Management Programme in six representative States of the country for the biogas plants installed during the 10th Five Year Plan. According to the report of the study an average of 95.80% of surveyed biogas plants were found in functional condition.

(e):The Ministry of New and Renewable Energy has taken a number of steps for increasing the biogas production in the country including introduction of pre-fabricated models of family type biogas plants, organizations of periodical trainings, meetings, discussions and seminars with various stakeholders involved in implementation of biogas programmes. Demonstration of integrated technology package has been taken up for biogas generation, purification, bottling and piped distribution through installation of medium size biogas plants (200 cubic meter – 1000 cubic meter capacity per day) following entrepreneurial route. Newer technologies are also being developed and encouraged for setting up biogas plants in the country. Annexure – I

Annexure – I referred to in reply to parts (a)&(b) of the Rajya Sabha Unstarred Question No. 1201 for 07.03.2011

State-wise biogas plants installed during the 11th Plan period (upto February, 2011) under National Biogas and Manure Management Programme, Waste-to-energy Programme and Biogas based Distributed/ Grid Power Generation Programme. Sl. No.State/ Union Territories including KVICA
Approximate biogas generation capacity (in m3) 1Andhra Pradesh90133 2Arunachal Pradesh1224 3Assam49650 4Bihar1164 5Chattisgarh22130 6Goa190 7Gujarat96740 8Haryana9164 9Himachal Pradesh1828 10Jammu & Kashmir610 11Jharkhand5370 12Karnataka76064 13Kerala29138 14Madhya Pradesh91609 15Maharashtra121494 16Meghalaya5350 17Mizoram700 18Nagaland3534 19Orissa28542 20Punjab65152 21Rajasthan766 22Sikkim2944 23Tamilnadu34503 24Tripura638 25Uttar Pradesh22464 26Uttarakhand31123 27West Bengal113816 28Delhi4 29Pondicherry10 30Others24658 Total9,30,712