

**GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:2617
ANSWERED ON:12.03.2015
BIOMASS BASED PROJECTS
Gaikwad Dr. Sunil Baliram

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

- (a) whether the Ministry in association with Indian Institute of Science, Bangalore has estimated that about 120-150 million tons of surplus industrial and agriculture residues per year could be available for power generation;
- (b) if so, the details thereof;
- (c) whether the Government has promoted efficient utilization of biomass like agricultural and agro- industrial residues for power generation in the country;
- (d) if so, the details thereof; and
- (e) the number of biomass based projects set up in the country during the last three years and the current year, State/UT-wise?

Answer

THE MINISTER OF STATE FOR POWER, COAL & NEW AND RENEWABLE ENERGY (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a)&(b): Yes. Madam. The Indian Institute of Science, Bangalore under Ministry of New and Renewable Energy (MNRE) funded project has estimated that about 500 million tons of agriculture and agro-industrial residues are being generated annually in the country. About seventy percent of these residues are used as fodder, as fuel for domestic and industrial sectors and for other economic purposes. About 120-150 million tons of agro-industrial and agriculture residues per year could be surplus for power generation. The state-wise details of biomass generation, biomass surplus and estimated power potential from agricultural residues is given at Annexure-I.

(c)&(d): MNRE is promoting efficient utilization of biomass like agricultural and agro-industrial residues for power generation in the country. 165 biomass power projects based on biomass combustion technology with a total capacity of about 1,400 megawatt have been set up in the country as on 31st January 2015. Fiscal incentives such as accelerated depreciation, concessional customs duty, excise duty exemption, income tax holiday for 10 years and preferential tariff are provided for biomass power projects. In addition, the Central Financial Assistance of Rs.25.0 lakh per megawatt in special category states and Rs.20.0 lakh per megawatt for other states with a cap of Rs.1.50 crores per project is being provided by MNRE for setting up of the biomass power projects.

(e): The State-wise details of number of biomass based power projects and installed capacity set up as on 31st January, 2015 in the country is given at Annexure-II.