

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

UNSTARRED QUESTION NO:595
ANSWERED ON:24.11.2006
EXPORT OF BIO- MASS GASIFICATION TECHNOLOGY
Singh Shri Lakshman

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

- (a) whether there is a big gap in demand and supply of Bio-mass power generation in the country;
- (b) if so, the steps taken/being taken by the Government to increase power generation through Bio-mass Gasification Technology;
- (c) whether the country has been exporting Bio-mass Gasification Technology; and
- (d) if so, the details thereof and the reasons therefor?

Answer

MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR)

(a): In the context of gap in demand and supply of power from conventional sources, potential exists for supplementing generation of power from various renewable energy sources including biomass. Power generation potential of 21000 MW has been estimated from biomass such as surplus agricultural residues and sugar cane bagasse.

(b): The Biomass gasifier systems coupled with 100% producer gas engines are being implemented mainly for meeting the unmet demand of electricity in electrified villages. In addition, biomass gasifier systems are being deployed for captive power generation and thermal applications in industries. The steps taken by the Ministry to promote biomass gasification technology includes capital subsidy for setting up such projects and financial assistance for preparation of Detailed Project Reports, awareness creation and training.

(c)&(d): Small and medium size biomass gasifier systems in the range of 15 kW to 600 kW based on the indigenously developed technology are exported by private biomass gasifier manufacturers to countries such as Australia, Cambodia, Colombia, Germany, Italy, Sri Lanka, USA etc.