

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1729
TO BE ANSWERED ON 03.12.2019

BIO-MASS ENERGY

1729. SHRI SANJAY SINGH

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

- (a) what is India's scope of biomass energy;
- (b) the details of measures taken by Government to increase it; and
- (c) how can biomass substitute fossil fuel for eco-friendly energy generation?

ANSWER

THE MINISTER OF STATE (I/C) FOR NEW & RENEWABLE ENERGY, POWER and MoS for SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) A Study conducted by the Indian Institute of Science, Bangalore in 2010-11 had estimated surplus biomass availability at about 120 to 150 million metric tons per annum covering agricultural residues. This corresponds to a potential of about 18,000 MW power. Apart from this, 7000-8000 MW additional power can be generated through bagasse cogeneration in the country's sugar mills.

(b) The Ministry of New and Renewable Energy has a scheme to support biomass based cogeneration in sugar mills and other industries (up to March 2020). Under the scheme, biomass cogeneration projects are being provided Central Financial Assistance (CFA) @ Rs 25 Lakh / MW of surplus exportable capacity and Rs 50 Lakh / MW of installed capacity depending on the type of fuel used.

(c) Biomass fuel is renewable, carbon neutral and is widely available. There are various methods like Combustion, Pyrolysis Gasification and Bio-Methanation through which biomass can be used for eco – friendly energy generation.
