

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

UNSTARRED QUESTION NO:3179

ANSWERED ON:04.08.2016

Development of Integrated Research and Development Projects

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

- (a) whether the Government has taken any initiative for the development of integrated research and development projects on second generation bio-fuel like production of ethanol from agricultural waste and production of bio-diesel from algae;
- (b) if so, the details of the work undertaken as a result of this initiative so far; and
- (c) the extent of success achieved by the Government in the production of biodiesel by taking such steps?

Answer

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

(a) & (b): Yes Madam. The following initiatives have been taken for development of second generation bio-fuels i.e. (i) Government has announced the National Policy on Biofuels to promote production and utilisation of second generation biofuels i.e. bioethanol and biodiesel (ii) In the area of Biofuels development, various Research and Development (R&D) projects have been supported by the Ministry of New and Renewable Energy and other Ministries / Agencies, such as, Department of Biotechnology; Council of Scientific & Industrial Research, in the country for developing biofuel technologies, particularly second generation biofuel technologies for production of ethanol from ligno-cellulosic materials; (iii) a biomass-to-ethanol demonstration plant has been commissioned with the Department of Biotechnology(DBT) - Institute of Chemical Technology's Technology; (iv) R&D projects on collection, identification and characterization of algal strains contained more oil/lipid content have been supported by DBT; (v) National Repository for Microalgae with collection of more than 2000 algal strains have been purified, taxonomically characterized and maintained from various parts of the country; and (vi) Studies on biotechnological interventions have been supported through National Algal Network Program for selection of promising strains for biomass production as alternative feedstock for biodiesel production from algae.

(c): About 1.32 Crore Litres of Biodiesel (B-100) has been procured for blending with diesel through Oil Marketing Companies, up to July 2016.
