

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

UNSTARRED QUESTION NO:691

ANSWERED ON:27.11.2014

MANUFACTURING OF ALTERNATIVE FUEL

Patel Shri Devji Mansingram;Singh Shri Ganesh;Singh Shri Sunil Kumar

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

- (a) whether the Government proposes to manufacture ethanol from algae as a better fuel alternative in view of the rising consumption of fuel;
- (b) if so, the details thereof; and
- (c) the steps taken by the Government in this regard?

Answer

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

(a),(b)&(c): Yes, Madam. The Council of Scientific and Industrial Research (CSIR) is implementing a project for production of algal biomass and its utilization, as well as for other ligno-cellulosic biomass, for production of bio-energy. During the 12th Plan CSIR has released an amount of Rs. 10.51 Crore out of an allocation of Rs. 22.65 Crore. Under another research and development project, CSIR undertook cultivation of algae at 100 kg scale for production of biomass for extraction of oil for production of biodiesel for use as transport fuel. In addition, the Department of Bio-technology has supported a network programme on Algal Biofuels and Biodiesel. Ministries of Science & Technology and New and Renewable Energy are also supporting research and development on production of ethanol from ligno-cellulosic biomass, which is relevant to algal biomass after extraction of oil from algae.