

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

UNSTARRED QUESTION NO:1978  
ANSWERED ON:02.12.2011  
ALTERNATIVE FORMS OF ENERGY  
Gandhi Shri Dilip Kumar Mansukhlal

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

- (a) the details of the scheme formulated for development of alternative fuel energy in the country;
- (b) the total amount spent by the Government on the research and development of these fuels during the last three years and the current year; and
- (c) the time by which such fuels are likely to be made available in the country?

**Answer**

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH)

(a): Ministry of New and Renewable Energy is supporting Research, Development and Demonstration Projects on various alternative fuels such as Biofuels and Hydrogen at Universities, Indian Institutes of Technology, Engineering Colleges, Public Sector Undertakings, Industries, etc. Grants upto 100 per cent of project cost to educational and research institutions and upto 50 per cent to industries are provided for undertaking research, development and demonstration projects.

(b): The expenditure incurred on research, development and demonstration projects on Biofuels and Hydrogen during the last three years i.e. 2008-09 to 2010-11 is Rs 32.14 crore and is Rs 4.21 crore in the current year 2011-12 (upto 28th November, 2011).

(c): While a target of 20% blending of biofuels in diesel and petrol by the year 2017 has been indicated in the National policy on Biofuels announced in December 2009, a mandatory target of 5% blending of ethanol with petrol and recommendatory target of 5% blending of bio-diesel with diesel is in force since October 2009. The use of hydrogen as alternate fuel or as blend with other fossil fuels is still under research and development and no time frame has so far been set for this purpose.