

**GOVERNMENT OF INDIA  
NON-CONVENTIONAL ENERGY SOURCES  
LOK SABHA**

STARRED QUESTION NO:347  
ANSWERED ON:16.12.2005  
ENERGY THROUGH HYDROGEN  
Meghwal Shri Kailash;Vallabbhaneni Shri Balashowry

**Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:**

- (a) the steps taken by the Government to promote hydrogen as a major source of energy in the country in the coming years;
- (b) whether any detailed programme has been drawn for the research and development efforts towards the same;
- (c) if so, the details thereof;
- (d) whether Government proposes to prepare a separate policy document on the hydrogen energy on the basis of the road map; and
- (e) if so, the details thereof

**Answer**

MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (INDEPENDENT CHARGE) (SHRI VILAS MUTTEMWAR)

(a), (b), (c), (d) & (e) : A Statement is laid on the Table of the House.

STATEMENT

Statement referred to in the Reply to the Lok Sabha Starred Question No. 347 for reply on 16th December, 2005

(a): The Ministry of Non-Conventional Energy Sources has been supporting a broad based programme for research, development and demonstration on different aspects of hydrogen energy for more than a decade. In view of the rapid developments that have taken place worldwide and for accelerating the development and commercialization of hydrogen energy technologies in the country, the Ministry has set up a National Hydrogen Energy Board under the chairmanship of the Minister for Non-Conventional Energy Sources in October, 2003. The Board constituted a Steering Group under Shri Ratan Tata, eminent industrialist, to prepare a National Hydrogen Energy Road Map for India upto 2020. The Report of the Steering Group on the Road Map has been prepared and submitted to the Ministry on 21st November, 2005.

(b)&(c): The Road Map has proposed a detailed programme for research and development, which includes various methods of production of hydrogen with focus on renewable energy, hydrogen storage, its transportation and delivery, applications, fuel cells, safety, codes, standards and capacity building.

(d) & (e): No separate policy document for hydrogen energy is envisaged. However, the recommendations of the Road Map would provide the basis for action programmes and specific projects for hydrogen energy development and utilization in the country.