

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

UNSTARRED QUESTION NO:6195
ANSWERED ON:30.04.2015
HYDROGEN ENERGY
Mahajan Smt. Poonam

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

- (a) whether the Government has supported research and development projects on various aspects of hydrogen energy in the country and if so, the details thereof;
- (b) the details of research and development projects completed and the current status of ongoing projects in the country along with the key and specific objectives of these projects and the institutions implementing those projects; and
- (c) the amount of funds sanctioned for each of these projects?

Answer

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

(a): Yes, Madam. The Ministry of New and Renewable Energy under its broad based Research, Development and Demonstration (RD&D) Programme has been supporting projects at academic institutions, research and development organizations and industry on hydrogen production, its storage and applications. Details of 12 RD&D projects supported during the last three years are given in Annexure-I.

(b): A total of 14 RD&D projects have been completed during the last three years in the area of hydrogen energy, as per details given in Annexure-II. A total of 21 RD&D projects in the areas of production of hydrogen by splitting of water using solar energy, through fermentation of biological wastes, gasification of biomass, decomposition of hydrogen sulphide and reformation of biomass derived glycerol; storage of hydrogen in hydrides, carbon materials and liquid organic hydrides; development and demonstration of engines/vehicles for use of hydrogen and hydrogen blended fuels are currently under implementation, as per details given in Annexure-III.

(c): The details of total Central Financial Assistance sanctioned for completed and ongoing RD&D projects are also given in Annexure-II and Annexure-III.