



INTERNATIONAL PARTNERSHIP FOR HYDROGEN AND FUEL CELLS IN THE ECONOMY

IPHE Country Update April, 2017: India

Name	Dr. P.C.Maithani, Adviser, Ministry of New and Renewable Energy
Contact Information	pcmaithani@nic.in , +91-11-24361830
Covered Period	November 2016 to April 2017

1. New Policy Initiatives on Hydrogen and Fuel Cell

Nil

2. Hydrogen and Fuel Cell R&D Update

Twenty six RD&D projects on different aspects of hydrogen energy and fuel cell technologies are under implementation as on 1 April, 2017 with funding from the Ministry of New and Renewable Energy.

3. Demonstration and Deployments Update

- i. Two numbers of hydrogen internal combustion engine based mini buses have been developed jointly by the Indian Institute of Technology Delhi and Mahindra & Mahindra, Chennai. The field trials of these buses have started near Indian Oil Corporation's R&D Centre at Faridabad, where a hydrogen refueling facility is in operation. This facility is also to be used for refueling of two fuel cell buses developed by Tata Motors.
- ii. Field trials of 15 hydrogen fuelled three wheelers in New Delhi and five hydrogen-diesel dual fuelled vehicles in the National Institute of Solar Energy, Gurgaon is continuing.
- iii. Pilot scale hydrogen production plants based on biological routes have started demonstration at Indian Institute of Technology, Kharagpur and Indian Institute of Chemical Technology, Hyderabad.

4. Events and Solicitations

Nil

5. Investments: Government and Collaborative Hydrogen and Fuel Cell Funding

For the financial year 2017-18 (1 April, 2017 to 31 March, 2018), there is a provision of Rs.220 Million (3.41 Million US dollars) for hydrogen energy and fuel cell related activities in the budget of the Ministry of New and Renewable Energy.