

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-4985
ANSWERED ON-25.03.2021

ENERGY FROM ELECTROLYSIS OF WATER

4985. SHRI THIRUMAAVALAVAN THOL

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

- (a) whether the Government proposes to develop energy from electrolysis of water;
- (b) if so, the details thereof;

- (c) whether the Government also proposes to encourage the use of hydrogen generated through electrolysis as a fuel in the vehicles; and
- (d) if so, the details thereof and if not, the reasons therefor?

ANSWER

THE MINISTER OF STATE (I/C) FOR NEW & RENEWABLE ENERGY, POWER and MoS for SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a)to(d) Yes, Sir. Electrolysis of water is one of the pathways to produce hydrogen, which is an energy carrier.

Ministry of New and Renewable Energy has been supporting Research and Development (R&D) and demonstration projects for hydrogen production through electrolysis of water. Under projects supported by the Ministry, a 5 Nm³/hr (normal cubic meter per hour) electrolyser powered by solar energy has been installed at National Institute of Solar Energy, Gurugram; and a 30 Nm³/hr electrolyser powered by grid electricity has been installed at Indian Oil R&D Centre, Faridabad. The hydrogen generated from these projects has been used as fuel in vehicles.

Department of Science and Technology has also been supporting R&D on different aspects of hydrogen energy, including its production and utilization.
