

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1259**  
ANSWERED ON 09.02.2023

**USAGE OF HYDROGEN UNDER MISSION INNOVATION**

1259. DR. BEESETTI VENKATA SATYAVATHI

Will the Minister of New and Renewable Energy be pleased to state:

- (a) whether the Government has taken any steps to promote the usage of hydrogen under Mission Innovation;
- (b) if so, the details including the funds dedicated thereof and if not, the reasons therefor;
- (c) the steps taken/proposed to be taken by the Government to produce clean electricity cheaper than coal;
- (d) whether any goal/policy timeline has been outlined for the same; and
- (e) if so, the details thereof and if not, the reasons therefor?

**ANSWER**

**THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER**

**(SHRI R.K. SINGH)**

(a)&(b) Department of Science & Technology is actively participating in Mission Innovation - Clean Hydrogen Mission, which reflects the collective desire of nations to work together to solve shared challenges to provide affordable and reliable clean energy.

DST has supported a DST-IIT Hyderabad Integrated Clean Energy Material Acceleration Platform on Bioenergy and Hydrogen at a total cost of Rs. 11,40,87,050 /- to develop a biomass to H<sub>2</sub> production pilot plant (25 Kg size) primarily under thermochemical conditions with appropriate H<sub>2</sub> storage unit.

(c) to (e) The Government has taken several measures to promote production of renewable energy in the country, including, inter-alia, the following:-

- Permitting Foreign Direct Investment (FDI) up to 100 percent under the automatic route,
- Waiver of Inter State Transmission System (ISTS) charges for inter-state sale of solar and wind power for projects to be commissioned by 30th June 2025,
- Declaration of trajectory for Renewable Purchase Obligation (RPO) up to the year 2029-30,
- Setting up of Ultra Mega Renewable Energy Parks to provide land and transmission to RE developers for installation of RE projects at large scale,
- Schemes such as Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM), Solar Rooftop Phase II, 12000 MW CPSU Scheme Phase II, etc,
- Laying of new transmission lines and creating new sub-station capacity under the Green Energy Corridor Scheme for evacuation of renewable power,
- Notification of standards for deployment of solar photovoltaic system/devices,
- Setting up of Project Development Cell for attracting and facilitating investments,
- Standard Bidding Guidelines for tariff based competitive bidding process for procurement of Power from Grid Connected Solar PV and Wind Projects.
- Government has issued orders that power shall be dispatched against Letter of Credit (LC) or advance payment to ensure timely payment by distribution licensees to RE generators.
- Notification of Promoting Renewable Energy through Green Energy Open Access Rules 2022.
- Notification of "The Electricity (Late Payment Surcharge and related matters) Rules (LPS rules).
- Launch of Green Term Ahead Market (GTAM) to facilitate sale of Renewable Energy Power through exchanges.
- National Green Hydrogen Mission approved with an aim to make India a global hub for production, utilization and export of Green Hydrogen and its derivatives.

\*\*\*\*\*