

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1883
ANSWERED ON 28.07.2022

NATIONAL HYDROGEN MISSION

1883. KUMARI AGATHA K. SANGMA

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

- (a) whether the Government acknowledges that hydrogen is not a green technology until we have an excess of renewable energy to produce it;
- (b) if so, the steps being taken to expand renewable energy production along with the targets for the same, year-wise;
- (c) whether heavy reliance on water under the National Hydrogen Mission would prove to be a challenge owing to scarcity of water in many parts of the country;
- (d) if so, the steps taken by the Government to overcome possible water usage conflicts; and
- (e) the steps being taken by the Government to ensure that the large availability of renewable and water resources is used optimally under the National Hydrogen Mission?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a)&(b) Green Hydrogen can be produced using energy from various Renewable Energy (RE) sources.

The Government has taken several steps to promote renewable energy production inter-alia including:

- 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 on a plug and play basis,
- 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,
- 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.

(c)to(e) The draft National Green Hydrogen Mission developed by the Ministry of New and Renewable Energy, comprises a framework inter-alia for risk management & optimising green hydrogen production with respect to availability of renewable energy and other resources.
