

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 2868
ANSWERED ON 17.03.2026

GREEN HYDROGEN IN KARNATAKA

2868. SHRI IRANNA KADADI

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

- (a) the status of the pilot projects for green hydrogen production in the State of Karnataka;
- (b) the potential of utilizing the renewable energy resources of Belagavi for green hydrogen generation;
- (c) the measures taken to support the research and development (R&D) in green hydrogen technologies;
- (d) the details of the incentives available under the National Green Hydrogen Mission; and
- (e) the Government's vision to make the region a hub for clean energy technologies?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) The Government of India is implementing the National Green Hydrogen Mission (NGHM), with an objective to make India a global hub of production, usage and export of green hydrogen and its derivatives.

Under the Mission, M/s JSW Energy Limited is implementing a green hydrogen project with an annual production capacity of 3,600 tonnes of green hydrogen, at Ballari, Karnataka. The green hydrogen produced is utilised for pilot project for production of steel.

(b) Under NGHM, the Government is incentivising the establishment of green hydrogen production capacities across the country. Project locations are determined by developers based on availability of renewable energy resources, land, water and other logistical considerations.

(c) A total of twenty three (23 nos.) projects have been sanctioned as part of Research and Development (R&D) scheme of NGHM on green hydrogen technologies.

(d) The details of the incentives under NGHM, include inter - alia:

- i. Inventive scheme for electrolyser manufacturing
 - Under this scheme, incentive is provided for a period of 5 years for electrolyser manufacturing, in terms of Rs. /kW corresponding to the electrolysers manufactured as given below:

| Year of Sales | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|------------------------------------|--------|--------|--------|--------|--------|
| Base Incentive Available (Rs. /kW) | 4440 | 3700 | 2960 | 2220 | 1480 |

ii. Incentive schemes for green hydrogen production

- Under this scheme, incentive is provided for a period of 3 years for green hydrogen production, in terms of Rs. /kg of green hydrogen produced as given below:

| Year of Production | Year 1 | Year 2 | Year 3 |
|------------------------|--------|--------|--------|
| Incentive cap (Rs./kg) | 50 | 40 | 30 |

(e) The Government is promoting the development and deployment of clean energy technologies across the country. Through various policy measures and programmes for the promotion of renewable energy, energy storage, grid integration, and research and innovation, the Government aims to create an enabling ecosystem for the adoption and domestic manufacturing of clean energy technologies.

As on 31st January, 2026, a total of 26,138.62 MW Renewable Energy capacity have been installed which includes 10,824.00 MW Solar Power, 3,689.20 MW Large Hydro, 8,423.64 MW Wind Power, 1,284.73 MW Small Hydro Power and 1,917.05 MW Bio-Power in the State of Karnataka.
