

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1344**  
ANSWERED ON 09.02.2023

**STORAGE OF HYDROGEN FUEL**

1344. SHRI GANESH SINGH

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

- (a) whether the Government proposes any project/ programme/plans to address the challenges associated with the storage of hydrogen fuel under the National Green Hydrogen Mission (NGHM);
- (b) if so, the details thereof and if not, the reasons therefor;
- (c) the details of investment to be needed to achieve the goals of NGHM;
- (d) whether the Government has attracted private investments to achieve the goals of NGHM;
- (e) if so, the details thereof and if not, the reasons therefor;
- (f) whether the Government has forecasted the adoption rate of hydrogen as a fuel for consumers; and
- (g) 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) On 4<sup>th</sup> January 2023, the Union Cabinet approved the National Green Hydrogen Mission with an outlay of ₹19,744 crore. The Mission *inter alia*, proposes Research & Development projects and pilot projects on various aspects of hydrogen, including its storage.

(c)to(e) The Mission envisages a support of ₹ 17490 crore as incentive for facilitating manufacturing of electrolyzers and production of Green Hydrogen.

In addition, ₹ 1466 crore have been allocated for pilot projects and hydrogen hubs, ₹ 400 crore for R&D and ₹ 388 crore towards other Mission components.

The Mission targets a production capacity of 5 Million Metric Tonnes (MMT) per annum of Green Hydrogen by 2030.

This is likely to leverage over ₹8 lakh crore in total investments in creating the Green Hydrogen ecosystem

(f)&(g) No such specific forecast has been made so far. However, Green Hydrogen is expected to replace fossil fuels in hard to abate sectors of economy like refinery, fertilizers, marine transport, heavy-duty mobility and others.

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