

LOK SABHA
UNSTARRED QUESTION NO. 4398
TO BE ANSWERED ON 19th MARCH 2026

GREEN HYDROGEN MISSION

4398. DR. K SUDHAKAR:
SMT. SANJNA JATAV:
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SHRI MANOJ TIWARI:
SHRI PRADEEP KUMAR SINGH:
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SHRI RAVINDRA SHUKLA *ALIAS* RAVI KISHAN:
SHRI HARIBHAI PATEL:
SHRI RODMAL NAGAR:

पेट्रोलियम और प्राकृतिक गैस मंत्री

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) the detailed roadmap formulated for the phased and mandatory use of green hydrogen in place of grey hydrogen in Public Sector Undertakings (PSUs) refineries by the year 2030 including the targets, timelines and details of the concerned undertakings involved;
- (b) the current status of the first pilot project initiated for blending green hydrogen in naturalgas pipelines and the safety standards and technical protocols prescribed for such blending;
- (c) whether Bharatpur Lok Sabha Constituency is also likely to be selected as pilot project infuture, if so, the details thereof;
- (d) the details of the Incentive Scheme for Procurement of Green Hydrogen for the refinerysector under the National Green Hydrogen Mission; and
- (e) whether any specific provisions have been made under the said Mission for developmentof domestic manufacturing, storage and transportation infrastructure and if so, the details thereof?

ANSWER

पेट्रोलियम और प्राकृतिक गैस मंत्रालय में राज्यमंत्री

(श्री सुरेश गोपी)

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS

(SHRI SURESH GOPI)

- (a) Under the Strategic Interventions for Green Hydrogen Transition- 2B (SIGHT-2B) mode of the National Green Hydrogen Mission (NGHM), refineries have been allocated 200

KTPA of green hydrogen procurement capacity, of which PSU refineries have been assigned a target of 170 KTPA, up to 2030. Following a phased approach, PSU refineries have floated tenders for 42 KTPA of green hydrogen capacity. Out of this, IOCL (10 KTPA), BPCL (5 KTPA), and HPCL (5 KTPA) have already awarded contract.

(b) & (c) The Government has allowed hydrogen blending pilot project in five Geographical Areas (GAs) of City Gas Distribution (CGD) networks. These pilots cover domestic, commercial, industrial and CNG segments in limited areas and involve injection into MDPE and steel pipeline networks to assess aspects such as pipeline behaviour, stratification, leakage characteristics, metering impacts and consumer-end performance. OISD-STD-241 (Safety in the production, storage and transportation of hydrogen and hydrogen blends) covers Hydrogen Blending with Natural Gas (including both CGD & Natural Gas pipeline networks).

There are no region-specific plans for such pilot projects. The pilot projects are implemented by the industry based on their assessment and feasibility.

(d) & (e) In accordance with the Scheme Guidelines for incentives for Green Hydrogen Production and supply to the Refinery Sector (Mode 2B) under NGHM, a direct incentive in terms of Rs./kg of green hydrogen produced and supplied is being provided for a period of 3 year. The details are given below:

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

The following provisions have been made under NGHM:

I. Incentive 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 Sale	Year 1	Year 2	Year 3	Year 4	Year 5
Base Incentive Available (Rs./KW)	4440	3700	2960	2200	1480

Under this scheme, 3000 MW per annum electrolyser manufacturing capacity has been awarded to 15 companies.

II. Pilot projects for use of green hydrogen in the transport sector:

- i. Objective is to support the phased deployment of Green Hydrogen powered buses and trucks.
- ii. Five pilot projects have been sanctioned for deployment of 37 hydrogen – fuelled vehicles with 9 Hydrogen Refuelling Stations (HRS) along 10 different routes across India.

III. Under NGHM, V. O. Chidambaram Port Authority has awarded a project for development of bunkering and refuelling for green methanol at the port.
