

GOVERNMENT OF INDIA  
MINISTRY OF STEEL

**LOK SABHA**  
**STARRED QUESTION NO. \*235**  
FOR ANSWER ON 05.08.2025

**NATIONAL GREEN HYDROGEN MISSION IN STEEL SECTOR**

\*235. SHRI DINESHBHAI MAKWANA:  
MS. BANSURI SWARAJ:

Will the Minister of STEEL be pleased to state :

- (a) the details of total budgetary support allocated to the Steel sector under the National Green Hydrogen Mission and the manner in which it is proposed to be utilised;
- (b) the number and nature of pilot projects sanctioned under the Mission since its inception;
- (c) the timeline for implementation and the details of monitoring mechanism for the pilot projects approved under the Mission especially in Jharkhand;
- (d) the number of Steel plants applying for incentives under the Mission;
- (e) whether any green hydrogen blending pilots have commenced production, if so, the details thereof; and
- (f) the details of industry wide targets set for emissions reduction between 2025–27?

**ANSWER**

THE MINISTER OF STEEL

(SHRI H.D. KUMARASWAMY)

(a)to(f): A statement is laid on the Table of the Lok Sabha.

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**STATEMENT REFERRED TO IN REPLY TO PARTS (A) TO (F) OF THE LOK SABHA  
STARRED (\*) QUESTION NO. \*235 FOR ANSWER ON 05.08.2025 TABLED BY  
SHRI DINESHBHAI MAKWANA & MS. BANSURI SWARAJ, MEMBER OF  
PARLIAMENT REGARDING “NATIONAL GREEN HYDROGEN MISSION IN STEEL  
SECTOR”**

(a) to (e): Ministry of Steel has been allocated Rs. 455 Crore for implementation of pilot projects for use of hydrogen in iron and steel sector under National Green Hydrogen Mission launched by Ministry of New and Renewable Energy. Ministry of Steel has awarded 05 pilot projects for use of hydrogen in steel sector including one project at Bokaro in Jharkhand. These projects focus on partial substitution of natural gas with hydrogen in vertical shaft-based DRI production, and injection of hydrogen into existing blast furnaces to reduce coal and coke consumption. The completion timeline for the overall set of pilot projects is till Financial Year 2029–30. However, the project being implemented in Bokaro, Jharkhand, is scheduled for completion by October, 2026. These pilot projects are at design and engineering stages and have not commenced production by using hydrogen based technology. MECON Ltd, a CPSE under Ministry of Steel, is the Scheme Implementing Agency and do the regular monitoring of pilot projects. Project Appraisal Committee and Steering Committee have also been constituted for periodic monitoring of the pilot projects.

(f) Ministry of Environment Forest & Climate Change (MoEF&CC) vide notification No. G.S.R. 405(E) dated 23.06.2025 has given Green House Gases emission target for the year 2025-26 & 2026-27 for obligated entities of steel sector. The notification is available on MoEF&CC website at URL <https://moef.gov.in/storage/tender/1750856052.pdf>.

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