

GOVERNMENT OF INDIA
MINISTRY OF STEEL

RAJYA SABHA
UNSTARRED QUESTION NO. 795
FOR ANSWER ON 24.07.2026

NATIONAL GREEN HYDROGEN MISSION

795 SHRI ADITYA PRASAD:

Will the Minister of STEEL be pleased to state:

- (a) the key initiatives undertaken by the Ministry for the implementation of pilot projects in the steel sector under National Green Hydrogen Mission;
- (b) the details of the implementation framework for adopting hydrogen-based technologies in iron and steel production;
- (c) the technologies and steel plants proposed to be included under the pilot projects and their estimated production capacities and geographical coverage; and
- (d) the details of the proposed investment and financial assistance for the implementation of the pilot projects?

ANSWER

THE MINISTER OF STATE IN THE (SHRI BHUPATHIRAJU SRINIVASA VARMA)
MINISTRY OF STEEL

(a) 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. Four pilot projects in steel sector have been awarded under National Green Hydrogen Mission.

(b) Ministry of New and Renewable Energy has issued Scheme Guidelines on 02.02.2024 for implementation of pilot projects for use of green hydrogen in steel sector under National Green Hydrogen Mission. Scheme Guidelines is available on the website of Ministry of New and Renewable Energy (MNRE) at URL: <https://mnre.gov.in/en/hydrogen-schemes-guidelines/>.

(c)&(d): The details of awarded pilot projects along with key focus area/technology, geographical location, plant capacities, project cost and central financial assistance are as under: -

Sr. No.	Project	Focus area/ technology	Location	Plant capacity	Project cost	Central Financial Assistance
1	Project -1	Use of hydrogen in existing Blast Furnace to reduce coal/coke consumption	Bokaro, Jharkhand	3200 Tons per day (TPD)	50 Crores	25 Crores
2	Project -2		Vidyanagar, Karnataka	14500 Tons per day (TPD)	70 Crores	35 Crores
3	Project -3	Injection of hydrogen in vertical shaft based DRI to partially substitute the natural gas/ other reducing gas	Vidyanagar, Karnataka	2880 Tons per day (TPD)	30 Crores	12 Crores
4	Project -4		Angul, Odisha	4800 Tons per day (TPD)	28.44 Crores	11.376 Crores
