

GOVERNMENT OF INDIA
MINISTRY OF STEEL

RAJYA SABHA
UNSTARRED QUESTION NO. 1592
FOR ANSWER ON 12.12.2025

GREEN STEEL PRODUCTION

1592. SHRI HARSH VARDHAN SHRINGLA:

Will the Minister of STEEL be pleased to state:

- (a) current capacity for low-carbon or green-steel production;
- (b) projects approved under National Green Hydrogen Mission;
- (c) incentives provided for decarbonisation;
- (d) participation of public and private steel plants; and
- (e) contribution expected to India's net-zero roadmap?

ANSWER

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

(a)to(e): The details of initiatives taken by the Government for green transition of steel sector in alignment with India's net-zero target by 2070 including current capacity for low-carbon or green-steel production, approved pilot projects for use of hydrogen in steel sector and participation of public and private steel plants are as under:-

(i) Ministry of Steel has notified the Taxonomy of Green Steel on 23.12.2024 to provide standards for defining and categorizing the low emission steel. Under the framework of Green Steel Taxonomy, 43 steel units have been awarded 'Green Steel Certificates' so far. All these steel plants belong to private sector. Total production capacity of these 43 steel units are 11.6 million tonnes per annum with producing 7.1 million tonnes of green steel per annum.

(ii) Ministry of Steel has been allocated Rs.455 crore for implementation of pilot projects for use of hydrogen in steel sector till Financial Year 2029-30 under National Green Hydrogen Mission launched by the Ministry of New & Renewable Energy. Four pilot projects have been awarded to four steel plants including one Central Public Sector Enterprise (CPSE) and three private steel plants for use of hydrogen in steel sector under National Green Hydrogen Mission.

(iii) Ministry of Steel has released a report titled "Greening the Steel Sector in India: Roadmap and Action Plan" in alignment with the recommendations of the 14 Task Forces constituted by this Ministry for this purpose which provides the future roadmap for green steel and sustainability, towards net-zero target by 2070.
