

GOVERNMENT OF INDIA
MINISTRY OF STEEL
RAJYA SABHA
UNSTARRED QUESTION NO. 3339
FOR ANSWER ON 28.03.2025

**REDUCTION IN CARBON EMISSIONS IN STEEL SECTOR UNDER NATIONAL
STEEL POLICY 2017**

3339. SHRI KARTIKEYA SHARMA:

Will the Minister of STEEL be pleased to state:

- (a) the progress made in reducing carbon emissions in the steel sector under the National Steel Policy 2017 including the adoption of green technologies like hydrogen-based steel manufacturing as of 2025, the details thereof;
- (b) whether the Ministry has assessed the financial and infrastructural challenges faced by steel producers, particularly Public Sector Units (PSUs) like Steel Authority of India (SAIL), in transitioning to low-carbon production, if so, the details thereof; and
- (c) whether any specific measures have been taken or proposed, to support small and medium steel units in Haryana in adopting cleaner technologies, if so, the details thereof?

ANSWER

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

(a)to(c): The progress made in reducing carbon emissions in the steel sector and steps taken to address the challenges being faced by steel industry for its green transition across India are, as under:-

- i. Ministry has released the Taxonomy for Green Steel to provide standards for defining and categorizing the low emission steel.
- ii. 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. The report also discusses about various types of challenges being faced by steel industry for its green transition. The report is available on Ministry of Steel's website.
- iii. Ministry of Steel has awarded 07 pilot projects for implementation of pilot projects for use of hydrogen in steel sector under National Green Hydrogen Mission launched by Ministry of New & Renewable Energy.
- iv. National Solar Mission launched by Ministry of New and Renewable Energy in January, 2010 promotes the use of solar energy and also helps to reduce the emission of steel industry.

The above measures in adopting cleaner technologies have been taken to support small and medium steel units for Haryana, as well.
