

GOVERNMENT OF INDIA
MINISTRY OF STEEL

RAJYA SABHA
UNSTARRED QUESTION NO. 2549
FOR ANSWER ON 21.03.2025

ADOPTION OF GREEN STEEL MANUFACTURING

2549. DR. BHIM SINGH:
DR. ANIL SUKHDEORAO BONDE:

Will the Minister of STEEL be pleased to state:

- (a) the specific policy measures Government has introduced to incentivize the adoption of green steel manufacturing in the country;
- (b) the kind of financial support or funding mechanisms that are available for steel manufacturers looking to transition to green steel production;
- (c) whether there are any specific partnerships or collaborations to accelerate the adoption of green steel technologies; and
- (d) if so, the details thereof?

ANSWER

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

(a)&(b): The specific measures including financial support taken by Government for adoption of green steel manufacturing in the country 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 is available on Ministry of Steel's website.
- iii. Ministry of Steel has been allocated Rs. 455 crore for implementation of pilot projects for use of green hydrogen in steel sector till FY 2029-30 under National Green Hydrogen Mission launched by Ministry of New & Renewable Energy. Ministry of Steel has awarded two pilot projects to produce DRI using 100% Hydrogen in vertical shaft and one pilot project to use hydrogen in existing Blast Furnace to reduce coal/coke consumption under this Mission.
- 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.

(c)&(d): CPSEs of Ministry of Steel are collaborating with eminent technology providers such as M/s BHP from Australia, M/s SMS from Germany, M/s Primetal Technologies from United Kingdom, M/s John Cockerill India Limited from Belgium, M/s Ram Charan Company Pvt. Ltd., Madras, National Centre of Excellence in Carbon Capture and Utilization (NCoE-CCU) of IIT, Bombay and Great Eastern Energy Corporation Ltd. to promote low carbon steel production.
