

GOVERNMENT OF INDIA
MINISTRY OF STEEL

LOK SABHA
UNSTARRED QUESTION NO. 2856
FOR ANSWER ON 20/12/2023

STATUS OF GREEN STEEL PRODUCTION

2856. SHRI LAVU SRI KRISHNA DEVARAYALU:

Will the Minister of STEEL be pleased to state:

- (a) the current status of green steel production in the Country including the percentage of total steel production that adheres to environmentally sustainable practices;
- (b) whether any specific measures have been adopted or promoted by the Government to encourage the production of green steel in the Country;
- (c) whether any study has been undertaken to analyze the role of green steel production in the reduction of air pollution levels in key industrial areas and if so, the details thereof; and
- (d) the details of the data-assessments on the potential impact of increased green steel production on overall air quality and public health?

ANSWER

THE MINISTER OF STATE IN THE
MINISTRY OF STEEL

(SHRI FAGGAN SINGH KULASTE)

(a)to(d): There are no settled definitions of green steel nor there have been studies regarding the role of green steel production in the reduction of air pollution levels. Therefore, no data is available regarding the production of Green Steel or potential impact of green steel production on overall air quality and public health.

However, the measures adopted by the Government for promoting decarbonisation and environmentally sustainable practices in steel industry are as under:

- (1) 13 Task Forces had been constituted with engagement of industry, academia, think tanks, S&T bodies, different Ministries and other stakeholders to discuss, deliberate and recommend upon different levers of decarbonisation of steel sector.
- (2) Steel Scrap Recycling Policy, 2019 enhances the availability of domestically generated scrap to reduce the consumption of coal in steel making.
- (3) Ministry of New and Renewable Energy (MNRE) has announced National Green Hydrogen Mission for green hydrogen production and usage. The steel sector has also been made a stakeholder in the Mission.
- (4) Motor Vehicles (Registration and Functions of Vehicles Scrapping Facility) Rules September 2021, envisages to increase availability of scrap for the steel making.
- (5) 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.
- (6) Perform, Achieve and Trade (PAT) scheme, under National Mission for Enhanced Energy Efficiency, incentivizes steel industry to reduce energy consumption.
- (7) The steel sector has adopted the Best Available Technologies (BAT) available globally, in the modernization & expansions projects.
- (8) Japan's New Energy and Industrial Technology Development Organization (NEDO) Model Projects for Energy Efficiency Improvement have been implemented in steel plants.
