

GOVERNMENT OF INDIA
MINISTRY OF STEEL

**RAJYA SABHA
UNSTARRED QUESTION NO. 957
FOR ANSWER ON 11/12/2023**

GREEN HYDROGEN IN STEEL INDUSTRY

957. SHRI SUSHIL KUMAR GUPTA:

Will the Minister of Steel be pleased to state:

- (a) whether Government has drawn any plan for use of Green Hydrogen that could be a solution to the steel industry's decarbonisation challenge; and
(b) if so, the measures being taken to encourage steel producers to adopt strategies for the steel industry decarbonisation?

ANSWER

THE MINISTER OF STATE IN THE
MINISTRY OF STEEL

(SHRI FAGGAN SINGH KULASTE)

(a) & (b): Ministry of Steel has constituted a Task Force on Green Hydrogen, towards decarbonisation of steel sector with the involvement of various ministries/departments, industry players and think tanks. The objective of this Task Force is to discuss, deliberate and brainstorm regarding the usage of green hydrogen in steel industry.

Further, the steps taken by Government for promoting decarbonisation in steel industry are as under:

- (1) 13 (Thirteen) 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 in the steel sector.
- (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.
