

GOVERNMENT OF INDIA
MINISTRY OF STEEL

RAJYA SABHA
UNSTARRED QUESTION NO. 2382
FOR ANSWER ON 19.12.2025

PROMOTION OF GREEN AND LOW CARBON STEEL TECHNOLOGY IN ODISHA

2382. SHRI MANAS RANJAN MANGARAJ:

Will the Minister of STEEL be pleased to state:

- (a) whether steel plants in Odisha are complying with environmental norms related to air, water and land pollution;
- (b) the number of violations reported in the last three years; and
- (c) the steps taken to promote green and low-carbon steel technology in the State?

ANSWER

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

(a) State Pollution Control Board, Odisha has prescribed environmental standards for discharge and emission for operation of Steel Plants in Odisha. The Board monitors the emission and effluent quality using online monitoring system and through physical inspection and monitoring system. Appropriate actions under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 are taken in violation cases.

(b) The list of violations reported during last 3 years i.e., 2023-24, 2024-25 & 2025-26 is as under:-

Year	Show cause notice & direction issued for non-compliance to consent conditions	Closure direction issued
2023-24	50	00
2024-25	59	05
2025-26 (as on date)	16	09
Total	125	14

Source: State Pollution Control Board, Odisha

(c) The details of steps taken by the Government for promotion of green and low-carbon steel technology in the country including the state of Odisha are as under: -

- i. Ministry of Steel 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. Four pilot projects have been awarded 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.
