

GOVERNMENT OF INDIA
MINISTRY OF HEAVY INDUSTRIES
LOK SABHA
UNSTARRED QUESTION NO. 3962
ANSWERED ON 17.03.2026

**INDUSTRIAL TRANSITION AND SUSTAINABLE MANUFACTURING
COMPETITIVENESS**

3962. SMT. SANGEETA KUMARI SINGH DEO:

Will the Minister of HEAVY INDUSTRIES be pleased to state:

(a) whether the Government has assessed the implications of a low-carbon and sustainable industrial transition for mineral and manufacturing-intensive regions, particularly States that are major producers of steel, aluminium and mineral-based products;

(b) whether any data or analysis is available on the export competitiveness, investment flows and Micro, Small, and Medium Enterprises (MSMEs) participation in emerging sectors such as green steel, renewable energy manufacturing, battery storage and hydrogen value chains;

(c) whether the Government has examined the trade-offs arising from fiscal dependence on coal and mineral-based industries in the context of climate commitments and global carbon regulations; and

(d) if so, the details of policy frameworks, incentives or industrial strategies being considered to support a just and inclusive industrial transition, including workforce reskilling, technology upgradation and supply-chain diversification in industrially significant States such as Odisha?

**ANSWER
THE MINISTER OF STATE FOR HEAVY INDUSTRIES
(SHRI BHUPATHIRAJU SRINIVASA VARMA)**

(a) to (d): As far as Ministry of Heavy Industries is concerned, no such assessment has been undertaken. However, the Ministry of Environment, Forests and Climate Change (MoEF&CC) has informed that India, at the 26th Session of the UNFCCC (COP 26) in November 2021, announced its target to achieve net zero by 2070. In pursuance thereof, India submitted its Long-Term Low Greenhouse Gas Emission Development Strategies (LT-LEDS) to the UNFCCC in November 2022, which provides a framework involving seven key strategic transitions for achieving net-zero emissions by 2070. One of the strategic transitions include promoting economy-wide decoupling of growth from emissions and development of an efficient, innovative low emission industrial system. As per the report, elements for industrial system include improving energy efficiency; process and fuel switching, and electrification; enhance material efficiency and recycling; promoting green hydrogen technology and infrastructure.
