

GOVERNMENT OF INDIA
MINISTRY OF PORTS, SHIPPING AND WATERWAYS

LOK SABHA
UNSTARRED QUESTION NO. 3391
ANSWERED ON 08.08.2025

TECHNOLOGY DEVELOPMENT IN SHIPPING INDUSTRY

3391. MD. RAKIBUL HUSSAIN:

Will the Minister of PORTS, SHIPPING AND WATERWAYS be pleased to state:

पत्तन, पोत परिवहन और जलमार्ग मंत्री

- (a) the details of initiatives/plans of the Government to address the lack of standardization for connection points in the shipping industry;
- (b) the details of initiatives/plans of the Government to address the limited interface compatibility with terminal systems and for technology development in the shipping industry; and
- (c) the details of initiatives/plans of the Government to address the need for risk evaluation in handling hazardous cargo during the implementation of shore power technology?

ANSWER

MINISTER OF PORTS, SHIPPING AND WATERWAYS
(SHRI SARBANANDA SONOWAL)

(a) to (c) The Ministry of Ports, Shipping and Waterways has undertaken several key initiatives to enhance digital compatibility across ports and terminal systems, and to promote indigenous technology development in maritime sector. Collectively, these initiatives aim to strengthen India's maritime logistics, improve system interoperability, and foster a future-ready, technology-driven shipping ecosystem. The major steps taken *inter alia* are as follows:

- i. SAGAR SETU / National Logistics Portal (Marine): A unified digital platform aimed at enhancing operational efficiency, productivity, and ease of doing business in the Indian ports and shipping sector. It facilitates seamless EXIM services by

significantly reducing vessel and cargo documentation time through a faster and paperless process.

- ii. Maritime Digital Centre of Excellence: Established in partnership with Centre for Development of Advanced Computing (C-DAC) for Indian maritime sector, the Centre aims to accelerate digital transformation through advanced indigenous IT solutions, foster innovation, and guide the modernisation of port and shipping industries using AI, blockchain, and data analytics.
- iii. Project Monitoring – Data-driven Review Institutional System for Tracking Implementation (DRISHTI) Framework: An institutional digital dashboard designed to track key performance indicators and milestones under the Maritime India Vision 2030 and Amrit Kaal Vision 2047.

Further, the Directorate General of Shipping, has issued Circular No. 09 of 2025 dated 12.03.2025, prescribing recommended standards for Shore to Ship Power Supply at Indian ports and to ships.
