

GOVERNMENT OF INDIA
MINISTRY OF PORTS, SHIPPING AND WATERWAYS

LOK SABHA
UNSTARRED QUESTION NO. 963
ANSWERED ON 08.12.2023

IMO GREEN VOYAGE 2050 PROJECT

963. DR. SUKANTA MAJUMDAR:
SHRI VINOD KUMAR SONKAR:
DR. JAYANTA KUMAR ROY:
SHRI BHOLA SINGH:
SHRI RAJA AMARESHWARA NAIK:

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

पत्तन, पोतपरिवहन और जलमार्ग मंत्री

- (a) whether India has been selected as the first country under the (International Maritime Organization) IMO Green Voyage 2050 project to conduct a pilot project related to Green Shipping, if so, the details thereof;
- (b) whether the Government has taken initiatives to develop a regulatory framework and alternate technology adoption road map for Green Shipping, if so, the details thereof;
- (c) whether the Government has established India's first ever centre of excellence for Green Port & Shipping in the country, if so, the details thereof;
- (d) whether The Energy and Resources Institute (TERI) is the knowledge partner for the project, if so, the details thereof; and
- (e) the steps being taken by the Government to foster carbon neutrality and circular economy in shipping sector in India?

ANSWER

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

- (a) Yes Sir, India has been selected as pioneer lead country for International Maritime Organization (IMO) Green Voyage 2050 Project, with the objective to assist developing countries in their efforts to reduce Green House Gases (GHG) emissions from ships.

The Following projects were selected:

- **Fitment of waste heat recovery system on a bulk carrier** :Ambuja Cements Limited.
- **Greening of inland ferries**:Directorate of Inland Water Transport (IWT) Assam/ Assam IWT Development Society.
- **Greening of inland ferries**:Kochi Water Metro Ltd.
- **Greening of passenger wooden ferries** :Mumbai Port Authority
- **Electric hybrid tugs** :Ocean Sparkle Ltd.

(b) Due to the global nature of international shipping having diversity of stakeholders of all nationalities involved, emission from the maritime transport sector is addressed by the IMO through the International Convention for Prevention of Pollution from Ships (MARPOL).India is a signatory to this Convention.

The Government of India has implemented all MARPOL regulations pertaining to carbon emissions on Indian Ships. At present, the regulations mainly pertain to reduction of carbon emission through enhanced energy efficiency and achieving a progressively enhanced (yearly) carbon intensity reduction.

(c)& (d) Yes Sir. A National Centre of Excellence for Green Ports and Shipping (NCoEGPS) has been set up which is India's first such Center of Excellence. In this regard, the Memorandum of Agreement was signed on November 18, 2022 between Ministry of Ports, Shipping and Waterways (MoPSW) along with Deendayal Port Authority, Kandla; Paradip Port Authority, Paradip; V.O. Chidambaranar Port Authority, Thoothukudi; Cochin Shipyard Limited, Kochi and The Energy & Resources Institute (TERI). NCoEGPS provides policy and regulatory support for developing regulatory framework and alternate technology adoption road map for Green Shipping to foster carbon neutrality and circular economy in the shipping sector in India. The NCoEGPS is housed at and led by TERI as a knowledge and implementation partner.

(e) Some other steps undertaken as proactive measure to help those ships which are unable to meet even the present carbon intensity reductions are:-

- i. The Government of India has permitted use of sustainable biofuels and its blends as fuels by Indian ships as a cost effective option.
- ii. A digital module has been developed and is in operation to capture fuel consumption from each ship operations for each voyage that is at anchorage, port stay, sailing period etc., in order to ensure efficient operations.
