

GOVERNMENT OF INDIA
MINISTRY OF PORTS, SHIPPING AND WATERWAYS

RAJYA SABHA
UNSTARRED QUESTION NO.2879
ANSWERED ON 17.03.2026

REDUCTION OF CARBON EMISSIONS IN PORT OPERATIONS

2879. SHRI SANJAY KUMAR JHA:

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

- (a) whether Government has taken any initiative under the Green Ports Initiative to reduce carbon emissions in port operations, if so, the details thereof;
- (b) whether any special incentive policy has been implemented for electric/hybrid ships for this purpose; and
- (c) whether any new technology has been adopted at par with international standards, if so, the details thereof?

ANSWER

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

(a) to (c) Yes. The Ministry of Ports, Shipping and Waterways has undertaken several international standard initiatives to reduce carbon emission in port operations and greening of ports. The major initiatives include the launch of “HaritSagar” Green Port Guidelines, implementation of the Green Tug Transition Programme (GTTP) for transition from conventional diesel-powered tugs to electric/hybrid tugs, adoption of renewable energy at ports, electrification of port equipment, vehicles and railway tracks, deployment of zero-emission trucks, and installation of Onshore Power Supply system. Kamarajar Port Limited has also introduced an incentive mechanism to encourage vessels to avail shore power facilities at the port. The Ministry of New and Renewable Energy (MNRE) has identified three Major Ports i.e. Deendayal Port Authority in Gujarat, Paradip Port Authority in Odisha, and V.O. Chidambaranar Port Authority in Tamil Nadu as Green Hydrogen Hubs to support the development of the green hydrogen ecosystem in the country.
