

DEVELOPMENT OF GREEN PORTS AND MARITIME INFRASTRUCTURE

Posted On: 28 MAR 2026 12:04PM by PIB Delhi

The Ministry of Ports, Shipping and Waterways has undertaken several initiatives such as 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 under Maritime India Vision 2030 and the 'Harit Sagar' Green Port Guidelines. The Ministry of New and Renewable Energy (MNRE) has also recognized 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. Major Ports are under the administrative control of the Central Government and all major ports have taken initiatives for renewable energy, shore to ship power supply etc. Ports other than Major Ports (OTMP) are under the administrative control of the respective State Governments and their development falls within the State's jurisdiction and responsibility.

Around 180 projects have been approved for Major Ports development including port modernization, coastal shipping and green port during the last two years i.e. from FY 2023-24 to FY 2024-25.

The details of target set under Maritime Indian Vision 2030 for reducing carbon emissions and improving energy efficiency in the port sector is as under:

S. No.	Key Performance Indicator	Target by 2030
1	% Share of Renewable energy consumption at ports (self-generated + procurement from grid)	>60%
2	% Port equipment electrified	50%
3	% Area under green belt	20%
4	% Reduction in CO ₂ emission / ton of cargo	30%
5	% Reduction in fresh-water consumption / ton of cargo	20%

This information was given by the Union Minister of Ports, Shipping, and Waterways, Shri Sarbananda Sonowal, in a written reply to the Lok Sabha.

MI/TY

(Release ID: 2246389) Visitor Counter : 364

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