

GOVERNMENT OF INDIA  
MINISTRY OF PORTS, SHIPPING AND WATERWAYS

**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 1118**  
ANSWERED ON 29.07.2025

**INDUSTRY 4.0-READY PLATE CUTTING MACHINE AT COCHIN SHIPYARD**

1118. DR. K. LAXMAN:

DR. KAVITA PATIDAR:

SHRI NARAYANA KORAGAPPA:

DR. MEDHA VISHRAM KULKARNI:

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

- (a) whether the newly inaugurated Industry 4.0-ready plate cutting machine at Cochin Shipyard has commenced operations;
- (b) whether the Green Tug Transition Programme includes plans for deploying hybrid or electric tugs at other major ports;
- (c) whether the Ministry has set specific targets for increasing the share of green vessels in India's maritime fleet; and
- (d) if so, the key steps being taken to achieve these targets?

**ANSWER**

MINISTER OF PORTS SHIPPING AND WATERWAYS  
(SHRI SARBANANDA SONOWAL)

(a) Yes.

(b) to (d) Ministry of Ports, Shipping and Waterways has launched the Green Tug Transition Programme (GTTP) which aims to reduce carbon emissions and minimize environment impact by encouraging adoption of environmentally sustainable tugboat operations in major ports. GTTP is envisaged to be implemented in a phased manner to facilitate seamless transition of Harbor tug fleet in the Ports in India from existing diesel fueled tugs to green tugs.

Government has provided additional incentives to encourage domestic shipyards to develop fuel-efficient and technologically advanced vessels as part of its ambitious plans to transform the country's shipping industry.

Shipbuilding financial assistance policy was amended in August 2023, to include ‘flat 30% financial assistance for vessels where main propulsion is achieved by means of green fuels such as Methanol/Ammonia/Hydrogen fuel cells etc’. This amendment also included ‘flat 20% financial assistance for vessels fitted with fully electric or hybrid propulsion’.

Government has launched the Harit Nauka guidelines for inland vessels which aim to promote the adoption of greener technologies in inland waterway vessels.

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