



# *Address by the Director General of Shipping at LR Board Meeting*

**Directorate General of Shipping**

16<sup>th</sup> March 2026 | Mumbai, India



# India's Vision for the Maritime Sector



## Maritime India Vision (MIV) 2030

- Position India Globally in the Top 10 Shipbuilding, repair nations (from 30k GT to 500k + GT).
- Renewable Energy Share at Major Ports : >60%
- Promote Waste to Wealth through ship recycling. India from #2 to #1 ship recycling nation.
- Encourage green belt development (plantations) : Atleast 33% of port area
- Investment: INR 20,000+ Crores
- Employment Generation: 1,00,000+ additional jobs (direct and indirect)



## Maritime Amrit Kaal Vision 2047

- Advanced phase targeting Top 5 global position in shipbuilding and maintaining 1 position in ship recycling
- Carbon neutral ports (green fuel, electrification, SPS).  $\geq 60\%$  renewable-energy share, create hydrogen hubs, emission & resource monitoring toolkits for ports.
- Promote Alternate/ Green Fuels, Bunkering infrastructure, green framework for terminal operations, introduce incentives in port duties for low emission vessels .
- 300+ Strategic Initiatives across 11 key maritime areas
- Financial Assistance: 20-30% assistance for green vessels (including retrofitting)



# Maritime INDIA @ Net Zero

14 – 15 January 2026, India Habitat Centre (Hybrid)



**Maritime INDIA @ Net Zero** was jointly organised by the Directorate General of Shipping (DGS) and NCoEGPS at TERI as a **high-level multi-ministerial action plan and governance workshop** to translate the National Green Shipping Policy (NGSP) vision into **phased, implementation-ready national pathways** aligned with India's climate commitments.

## Way Forward

- **Conduct focused stakeholder webinars** to validate priority actions and implementation sequencing
- **Undertake inter-ministerial consultations** to finalise roles, timelines and coordination mechanism
- **Final submission of consolidated roadmap and action matrix to NITI Aayog** for strategic guidance and national rollout



**MARITIME INDIA**  
@NET ZERO



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*Creating Innovative Solutions for a Sustainable Future*



# National Green Shipping Policy – The 7 Pillars



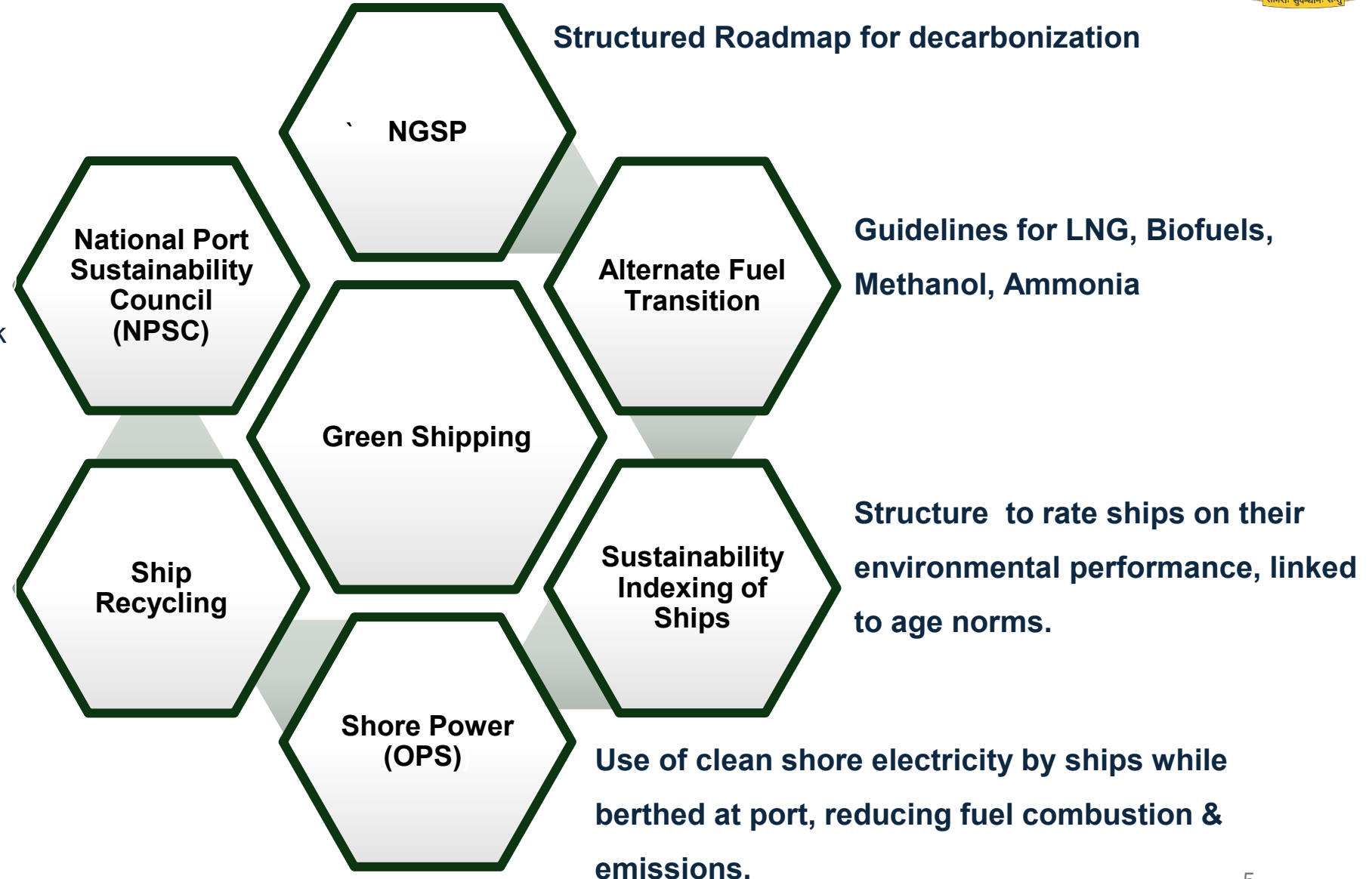


# Green Shipping Initiatives



NPSC metrics include **Green Port Index (GPI)**, **Port Readiness Level (PRL)**, **Smart Port Shore Power Index (SPSPI)**, **Environmental Ship Index (ESI)**, and **GHG Emissions Inventory** to benchmark sustainability and readiness of Indian ports

**With the Hong Kong Convention** now in force, India leads globally with 115 compliant yards at Alang.





# Ship Building - Four Pillar Approach



Cabinet approves ₹ 69,725 crore Package to Revitalize India's Shipbuilding and Maritime Sector



## Shipbuilding Financial Assistance scheme

Allocation: ₹24,736 crore

- Overcome cost differential vis-a-vis foreign shipyards.
- Credit note for new builds against ship scrapping in India
- Establish National Shipbuilding Mission



## Maritime Development Fund

Allocation: ₹25,000 crore

- Enable long-term financing to maritime sector through equity & debt-based funding:
- Maritime Investment Fund
  - Interest Incentivization Fund
  - Credit Guarantee Fund



## Shipbuilding Development Scheme (SbDS)

Allocation: ₹19,989 crore

- Greenfield cluster creation
- Brownfield capacity expansion to **4.5 million GT**
- Risk outlay for shipyards
- Setting up of India Ship Technology Centre (ISTC) as Apex body under IMU



## Legal, Policy and Process Reforms

- Demand aggregation
- Large Ships as infrastructure
- Taxation issues
- Flagging reforms



# New 2025 Acts, Enacted by Parliament

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**The Bills of Lading Act,**

**2025**

**The Coastal Shipping Act,**

**2025**

**The Merchant Shipping Act,**

**2025**

**The Indian Ports Act,**

**2025**

**The Carriage of Goods by Sea**

**Act, 2025**

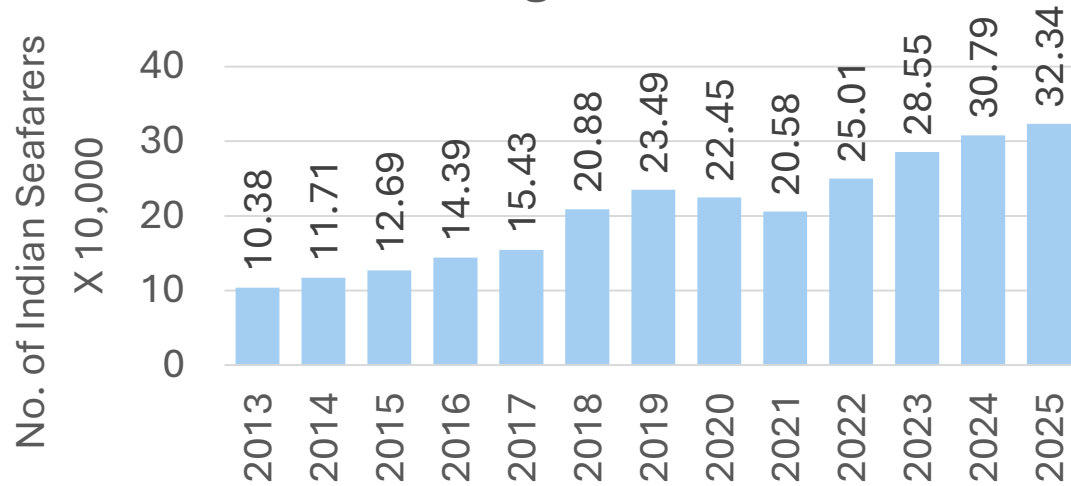


# India's Seafaring Scenario

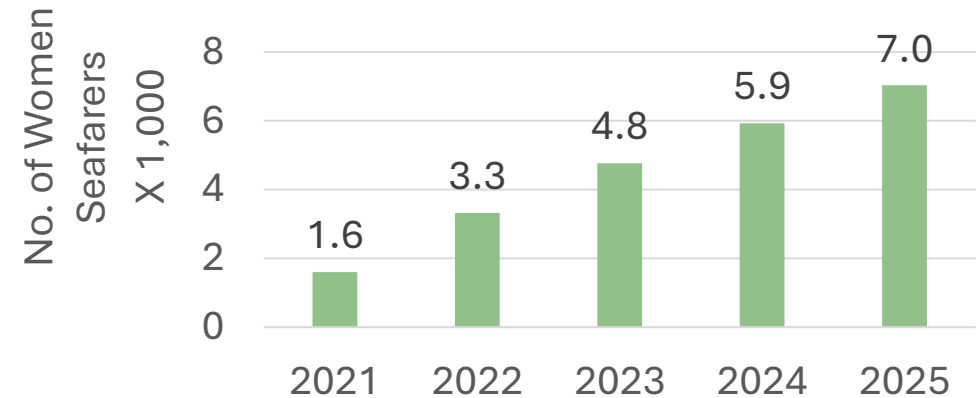


- **India among top 5 maritime nations** in seafarer supply
- **Contributes ~ 12%** of the global seafarer workforce
- **MIV 2030 target:** Increase India's share to **20%** by 2030
- Current share of women seafarers in India: < **0.5%**
- **MIV 2030 target:** Raise women participation to **2-3%** by 2030
- **Growth achieved: 339%** rise since 2021

### Year on Year growth of Seafarers



### Year on Year growth of Women Seafarers





# Sagar Mein Yog & Sagar Mein Samman



## Wellness at Sea & Gender Inclusion in Maritime

### Sagar Mein Yog

Sagar Mein Yog is a **comprehensive wellness program** built on the integration of yoga, mindfulness, emotional resilience, physical health, and spiritual well-being.

- In partnership with **NUSI** and knowledge partner Trijog
- Linked with MIV 2030 **Deliverable 10.16.3**
- SMY is being presented at 136<sup>th</sup> IMO Council



### Sagar Mein Samman

Sagar Mein Samman (Honor at Sea) is the flagship initiative, **designed to transform India's maritime sector into a more inclusive, equitable, and aspirational ecosystem.**

- **Goal:** Build a resilient, diverse, and future-ready maritime workforce.
- These six pillars form the structural foundation of the initiative, ensuring a comprehensive and sustainable approach to empowering women across all layers of the maritime ecosystem.





# Digital Transformation in India's Maritime Ecosystem



## Integrated Maritime Digital Platforms

### Maritime Single Window (MSW)

- Unified digital platform for ship documentation and regulatory clearances
- Seamless data exchange between ports, customs and maritime authorities
- Enables real-time coordination and reduces operational delays

### Integrated Vessel Traffic Management System (iVTMS)

- Implemented in accordance with **SOLAS Chapter V** and IMO guidelines
- Integrates AIS, radar, VHF, CCTV and meteorological data
- Enhances navigational safety, vessel traffic monitoring and incident response
- Deployed across **major ports and sensitive maritime zones**

## Smart Port Operations

### Just-in-Time (JIT) Arrival Systems

- Synchronizes vessel speed with berth readiness
- Reduces anchorage waiting and fuel consumption
- Improves berth utilization and lowers emissions

### Digital Twin Technology

- Virtual representation of port infrastructure and operations
- Enables berth simulation, cargo flow optimization and emission modelling
- Supports predictive decision-making and scenario planning



# Digital Twin at VOCPA Tuticorin



**Prestigious Digital Twin System commissioned in record 6 months**

Cost: ₹24.62 Crore

Executed by: IPRCL

Inaugurated by Hon'ble Minister of MoPSW Shri Sarbananda Sonowal (23 Feb 2026)

## Salient Features

### Complete 3D Port Visualization

The entire port ecosystem is displayed in real-time 3D on a holographic table, enabling intuitive and immersive operational oversight.

### Integrated CCTV Surveillance (~400 Cameras)

Nearly 400 CCTV cameras are mapped to their exact physical locations, allowing centralized and location-specific monitoring of port activities.

### VTMS Integration – Real-Time Vessel Intelligence

The Vessel Traffic Management System is fully integrated. With a single click on a vessel image, movement details and cargo information are instantly accessible.

### Integrated Weather Monitoring

Live weather systems are embedded into the platform, enabling proactive monitoring of rainfall, cyclones and other atmospheric disturbances.





# Suraksha Sarvapratham



## Safety First

**DGS is focused on promoting safety on vessels and is set to launch a campaign called the Suraksha Sarvpratham, ensuring that the seafarers are able to discharge their duties in a risk-free manner.**

To reduce accidents and minimize risks aboard ships.

Detailed documentation of incidents that occur at sea and during port operations.

Systematic recording and analysis of incidents will help identify patterns, understand root causes, and implement preventative strategies.

Instill a culture of safety among seafarers.

Web-based learning management systems for training.

Free online courses will be developed.

To create a safer working environment for seafarers by reducing the frequency and severity of accidents at sea and in ports.

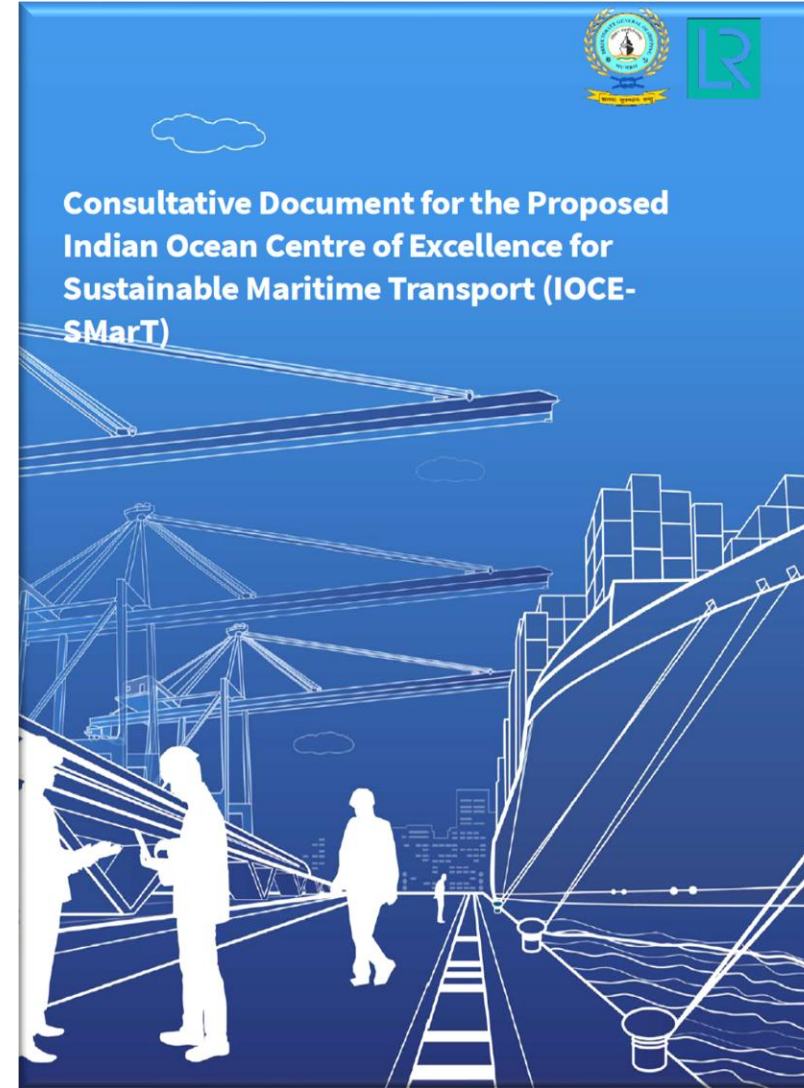
Comprehensive incident documentation, strict adherence to safety protocols, and innovative AI-based safety videos--- to establish Safety Culture



# Knowledge Frameworks Developed by Lloyd's Register



**National Green Shipping Policy – Consultative Document outlines India’s strategic roadmap for maritime decarbonization, green technologies, sustainable fuels and environmentally responsible shipping practices.**



**Indian Ocean Centre of Excellence for Sustainable Maritime Transport (IOCE-SMaRT) - collaborative framework designed to strengthen regional capacity, knowledge exchange and innovation in sustainable maritime transport across the Indian Ocean region.**



# संगच्छध्वं संवदध्वं सं वो मनांसि जानताम्।

*“Move together,  
speak together,  
may your minds  
be in harmony.”  
(Rigveda 10.191.2)*



सत्यमेव जयते

Ministry of Ports,  
Shipping & Waterways  
Government of India

