



teri | THE ENERGY AND
RESOURCES INSTITUTE
Creating innovative Solutions for a Sustainable Future



परचन, पोत परिवहन
एवं जलमार्ग मंत्रालय
MINISTRY OF
PORTS, SHIPPING
AND WATERWAYS
सत्यमेव जयते



Maritime INDIA @ Net Zero

National Green Shipping Policy (NGSP) – Multi-Ministerial Action Plan & Governance Workshop

Develop coordinated national actions accelerating
India's transition to sustainable green shipping

Date & Venue

To be held on 14-15 January
2026 from 0900 to 1800 (IST) |
Hybrid Mode, India Habitat
Centre, New Delhi

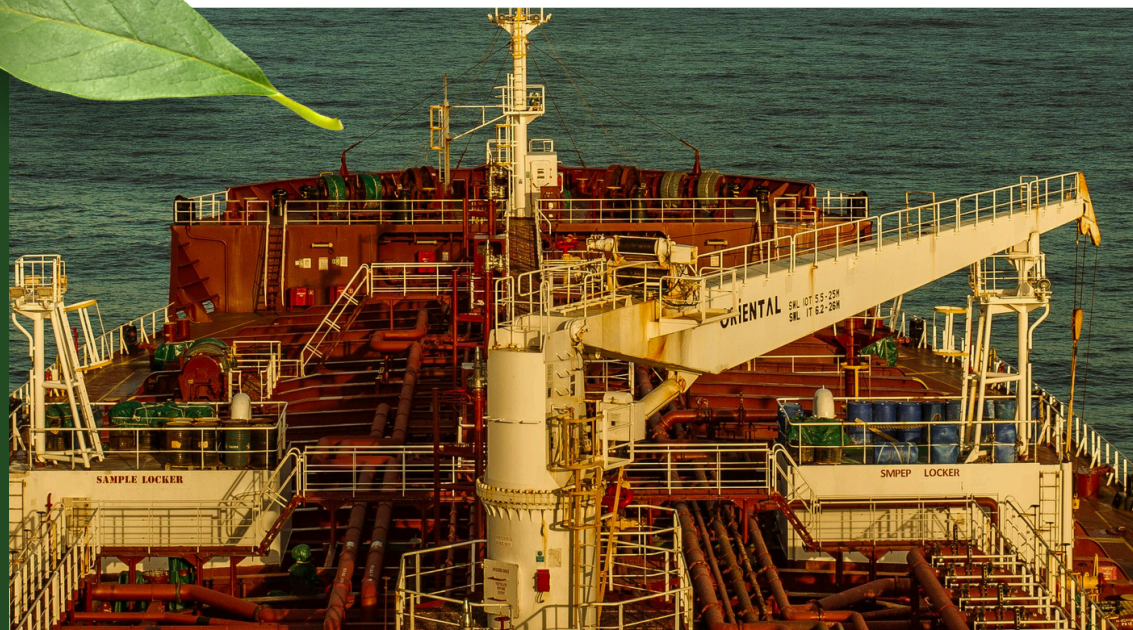
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Organisers

Jointly organised by the
Directorate General of Shipping
(DGS) and the National Centre of
Excellence for Green Ports &
Shipping (NCoEGPS)



Background and Rationale

India's maritime sector stands at a critical inflection point as the country advances towards its long-term climate commitments, including the Net Zero target by 2070. Shipping and port-led logistics, while central to India's trade competitiveness and economic growth, are also increasingly subject to global decarbonisation pressures arising from international regulations, evolving market expectations and climate-linked financial frameworks.

The National Green Shipping Policy (NGSP) has been developed as a comprehensive national framework to guide India's transition towards environmentally sustainable, energy-efficient and future-ready maritime operations. The policy adopts a systems-level approach, addressing ships, ports, fuels, technology, finance, recycling, pollution prevention and institutional governance in an integrated manner.

In this context, the "Maritime INDIA @ Net Zero" DGS-TERI Workshop is conceived as a high-level, multi-ministerial and multi-stakeholder platform to translate the NGSP vision into actionable national pathways, aligned with India's climate strategy and international maritime commitments. The workshop builds upon extensive inter-ministerial consultations and is designed to move beyond policy articulation towards implementation-oriented action planning, institutional coordination and market enablement.



Workshop Objectives

The workshop is designed to achieve the following objectives:

- Translate the NGSP into phased national action plans, with clearly articulated short-, medium- and long-term priorities
- Deliberate sector-specific transition pathways for ships, ports, fuels, recycling and pollution prevention
- Assess regulatory, safety and institutional readiness for emerging technologies and alternative fuels
- Enable investment and market mechanisms through green finance, partnerships and policy alignment
- Strengthen governance and coordination frameworks for NGSP implementation, monitoring and review
- Position India within global maritime decarbonisation initiatives, ensuring alignment with international obligations and cooperation platforms

Programme Plan

DAY 1: 14 JAN 2026

0900 - 0930 : **Registration**

0930 - 0940 : **Lighting of lamp**

0940 - 0950 : **Welcome Address** by Dr Vibha Dhawan, DG TERI

0950 - 1010 : **Thematic Address** by Shri Shyam Jagannathan, IAS, DG Shipping (TBC)

1010 - 1020 : **Keynote Address** by Shri Vijay Kumar (IAS), Secretary MoPSW(TBC)

1030 - 1040 : **Tea / Coffee Break**

Scope & Participants

The NGSP applies to:

- All Indian port and shipping sectors (major, non-major, private ports, SEZs, coastal/inland fleets).
- Ministries: MoPSW, P&NG, MNRE, MOEFCC, Power, DEA, Finance, MEA, State Maritime Boards.
- Stakeholders: Port authorities, shipyards, industry groups, technology developers, academia.

Way Forward

The outcomes of the Maritime INDIA @ Net Zero workshop will inform the finalisation and phased implementation of the NGSP, serving as a reference framework for policy execution, investment planning and international engagement in India's maritime decarbonisation journey.



Session 1: NATIONAL GREEN SHIPPING POLICY

This session will provide a concise technical overview of the proposed NGSP through an introductory presentation and focused discussion. The session will outline the NGSP vision for India's maritime sector in the context of Net Zero ambitions, highlighting alignment with national climate commitments. It will examine the core policy pillars—green technology, green ships, green ports, green fuels, green skilling, green ship recycling and green finance—along with the envisaged implementation architecture. The session will also address institutional roles, inter-agency coordination mechanisms, and governance arrangements critical for effective policy execution.

1045 - 1050 : **Session Overview** (By NCoEGPS)

1050 - 1105 : **Opening presentation on NGSP**

This presentation will highlight the key elements of NGSP (By NCoEGPS)

1105 - 1300 : A moderated open discussion will be held among the stakeholders present, followed by concluding remarks by the moderator summarizing key recommendations, including elements proposed for inclusion in or exclusion from the NGSP.

1300 - 1345 : **Networking Lunch**

Session 2 : Green Ships & Green Technology Transition

This session will focus on decarbonisation pathways for ships, covering green design and retrofitting, EEXI and CII compliance, and the application of energy-saving technologies, hybrid propulsion, digital optimisation, and MRV systems. The session will assess India's readiness across shipbuilding, retrofitting, skills, and manufacturing, explore technology transfer and international partnerships, and outline short-, medium-, and long-term national action priorities.



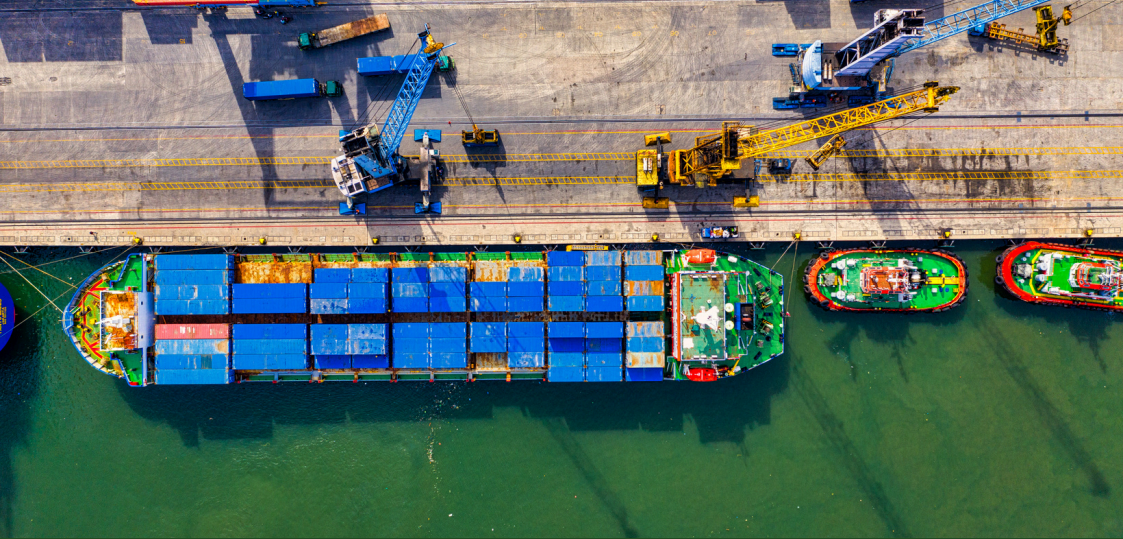
1345 - 1350 : **Session Overview** (By DGS)

1350 - 1405 : Presentation on Green Shipping and Green Technology segment of NGSP (By NCoEGPS)

1405 - 1530 : A moderated open discussion will be held among the stakeholders present, followed by concluding remarks by the moderator summarizing key recommendations, including elements proposed for inclusion in or exclusion from the NGSP.

Session 3 : Green Fuels & Alternate Energy Pathways for Maritime

This session will focus on future fuel options including biofuels, green ammonia, hydrogen, and methanol, examining availability, production, bunkering infrastructure, safety, standards, and regulatory readiness. The session will address pricing, market viability, capacity building, and emissions requirements, supported by PSU presentations and caucus discussions, and will conclude with a national roadmap outlining short-, medium-, and long-term priorities.



DAY 2: 15 JAN 2026

0930 - 1000 : **Registration**

Session 4: Green Ports & Port-Led Decarbonisation

This session will focus on port sustainability benchmarking through the proposed Green Port Index, covering emissions scope, shore power and electrification, green tug transition, renewable energy use, MRV, and digital readiness in line with the Harit Sagar Guidelines. The session will address phased implementation, pilot ports, financing and PPP models, capacity building, and conclude with a national roadmap outlining short-, medium-, and long-term priorities.

1000 - 1005 : Session Overview (By DGS)

1005 - 1015 : Presentation on Green Port Segment of the NGSP (By NCoEGPS)

1015 - 1230 : A moderated open discussion will be held among the stakeholders present, followed by concluding remarks by the moderator summarizing key recommendations, including elements proposed for inclusion in or exclusion from the NGSP.

1230 - 1330 : **Networking Lunch**

1530 - 1535 : **Session Overview (By NCoEGPS)**

1535 - 1545 : **Presentation on Green Fuel Segment of the NGSP (By NCoEGPS)**

1545 - 1700 : A moderated open discussion will be held among the stakeholders present, followed by concluding remarks by the moderator summarizing key recommendations, including elements proposed for inclusion in or exclusion from the NGSP.

1700 - 1800 : **Networking & High Tea**



Session 5: Green Recycling & Circular Economy in Maritime

This session will address the development of an HKC-aligned ship recycling framework, focusing on the expansion and modernisation of recycling yards and compliance with ISO 9001, ISO 14001, ISO 30000, and ISO 45001 standards. The session will cover IHM implementation, environmentally sound waste management, linkages with green steel and the circular economy, workforce safety and skill development, and strategies to position India as a global hub for sustainable ship recycling.

1330 - 1335 : Session Overview (By DGS)

1335 - 1345 : Presentation on Green Ship Recycling Segment of the NGSP (By NCoEGPS)

1345 - 1445 : A moderated open discussion will be held among the stakeholders present, followed by concluding remarks by the moderator summarizing key recommendations, including elements proposed for inclusion in or exclusion from the NGSP.

Session 6: Green Finance, Market Instruments, Partnerships & Investment Enablement

This session will focus on financing and market mechanisms to support maritime decarbonisation across ships, ports, fuels, and ship recycling, including green bonds, blended finance, risk-sharing instruments, and the role of development finance institutions. The session will also examine public-private partnerships, government-industry collaboration, pilot and demonstration projects, and research and international partnerships, culminating in governance priorities, institutional coordination, and a national action plan with short-, medium-, and long-term objectives under the NGSP.

1445 - 1450 : Session Overview (By DGS)

1450 - 1455 : Presentation on Green Finance segment of NGSP

1455 - 1545 : A moderated open discussion will be held among the stakeholders present, followed by concluding remarks by the moderator summarizing key recommendations, including elements proposed for inclusion in or exclusion from the NGSP.

1545 - 1600 : Tea / Coffee break

Session 7: Pollution Prevention from Maritime Activities

This session will address key pollution control challenges, including waste dumping at sea with reference to the London Convention, and ballast water management through treatment systems and testing to mitigate ecological impacts. The session will also examine R&D partnerships for pollution control technologies, RegLitter and the strengthening of pollution monitoring, reporting, and compliance systems to enhance environmental protection in maritime operations.

1600 - 1605 : Session overview (By NCoEGPS)

1605 - 1610 : Presentation on pollution prevention segment of the NGSP

1610 - 1645 : A moderated open discussion will be held among the stakeholders present, followed by concluding remarks by the moderator summarizing key recommendations, including elements proposed for inclusion in or exclusion from the NGSP.



Session 8: International Maritime Decarbonisation Initiatives & Global Collaboration

This session will review the IMO decarbonisation trajectory and India's strategic positioning within global maritime climate action. The session will examine international green shipping corridors, initiatives such as GreenVoyage2050, and bilateral and multilateral cooperation frameworks, with emphasis on capacity building, technology transfer, and knowledge-sharing platforms to support accelerated and inclusive maritime decarbonisation.

1645 - 1650 : Session Overview (By DGS)

1650 - 1720 : Following the session overview, an open, moderated exchange will invite stakeholders to share perspectives on global maritime decarbonisation efforts, highlighting India's role, emerging international collaboration models, and opportunities for cooperation on green shipping corridors, capacity building, and technology transfer. Key takeaways from the discussion will be synthesised by the moderator

Closing Session

1720 - 1730 : **Closing Address by DGS**

1730 - 1740 : **Vote of Thanks by TERI**

1740 - 1800 : **Networking Tea**

