

iMélange

September 2025



Monthly Magazine of The Institute of Marine Engineers (India)





The Institute of Marine Engineers (India)

IMEI HOUSE, Plot No.94, Sector-19, Nerul, Navi Mumbai.

Tel: +91 – 8454847896/ 022-27711663

Email: training@imare.in. Website: <https://imare.in/>

REGISTRATION OPEN FOR Following DGS APPROVED COURSES

- Basic Training for Ships using Fuels covered within IGF code **Course Id – 5311** (OFFLINE) – (5 Days) - 31st Oct 2025/ 10th Nov 2025/ 24th Nov 2025/ 01st Dec 2025/ 15th Dec 2025
- Assessment, Examination and Certification of Seafarers **Course Id – 1062** (OFFLINE) – (12 Days) - 12th January 2026 / 09th March 2026
- Advanced Training for Ships using Fuels covered within IGF code **Course Id – 5312** (OFFLINE) – (5 Days) - 14th Oct 2025/ 18th Nov 2025/ 9th Dec 2025
- MEO Cl. I (FG) : 2- months course (OFFLINE) - 02nd January 2026 / 02nd March 2026 (followed by Simulator course) **Discount on combined bookings of Class I Course with Simulator**
- MEO (CEO – NCV) – STCW 2010: 2 month course (OFFLINE) – 01st Nov 2025 / 02nd March 2026 / 01st July 2026 / 02nd November 2026
- MEO (SEO – NCV) Part-A - STCW 2010: 2-month course (OFFLINE) – 02nd Feb 2026
- MEO (SEO – NCV) Part-B - STCW 2010: 4-month course (OFFLINE) – 01st November 2025 / 02nd May 2026
- MEO Cl. IV (NCV) - STCW 2010 - 4 months course (OFFLINE) – 01st - 31st October 2025 / 2nd January 2026
- MEO (CEO – NCV) BRIDGING COURSE: 15 Days (OFFLINE) – 01st Nov 2025 / 02nd Jan 2026 / 01st April 2026 / 01st June 2026 / 03rd Aug 2026 / 01st Oct 2026 / 01st Dec 2026
- MEO (NCV – SEO) BRIDGING COURSE: 1 Month (OFFLINE) – 1st November 2025
- MEO CL. II (FG): 4-month Course (OFFLINE) – 01st Nov 2025/ 01st Dec 2025 (Discount on combined bookings of Class II Courses with Simulator)
- REFRESHER & UPDATING TRAINING (RUT - 4 DAYS) COURSE FOR REVALIDATION OF COC FOR ALL ENGINEERS and ETOs (OFFLINE) – 27th Oct 2025 / 10th Nov 2025 / 24th Nov 2025 / 08th Dec 2025 / 20th Dec 2025
- ENGINE ROOM SIMULATOR MANAGEMENT LEVEL (3 DAYS) COURSE FOR MEO CLASS I (OFFLINE) – 29th Oct 2025/ 1st Nov 2025/ 6th Nov 2025/ 29th Dec 2025
- ENGINE ROOM SIMULATOR MANAGEMENT LEVEL (5 DAYS) COURSE FOR MEO CLASS II (OFFLINE) – 27th Oct / 01st Nov / 25th Nov / 01st Dec / 26th Dec / 02nd Jan 2026 / 27th Jan 2026 / 02nd Feb 2026 / 24th Feb 2026
- ENGINE ROOM SIMULATOR OPERATIONAL LEVEL (3 DAYS) COURSE (OFFLINE) - 13th Oct 2025/ 10th Nov 2025 / 8th Dec 2025
- MEO Cl. IV(FG) non mandatory course (2months duration) – On request

For
Payment:
Visit <https://imeimum.marineims.com/course/register>

For enquiries
contact on
training@imare.in

For registration of Courses, click on:

<https://imeimum.marineims.com/course/register>

Features:
Experienced Faculty,
Individual Attention

CONTENTS

- 7** 42nd AGM of IME(I) Concludes with Key Resolutions, Awards and Elections
- 11** 42nd Annual General Meeting of IME(I) Mumbai Branch along with the Navi Mumbai and Gujarat Chapters
- 15** Onam Celebrations at IME(I) Kochi Branch
- 15** IME(I) Kochi Strengthens Industry Collaboration Ahead of COMARSEM 2026
- 17** India Strengthened its IMO Engagement through Interactive Workshop on Policy, Partnership & Progress
- 23** New Leadership for the Term 2025 - 27
- 27** Directorate General of Shipping and Institute of Marine Engineers (India) Successfully Host Conference on Shipbuilding and Repair at INMEX SMM India 2025
- 29** Directorate General of Shipping Celebrates 75 Glorious Years of Shaping India's Maritime Future
- 35** Indian Maritime University Concludes Thematic Dialogue on Port Transformation and Signs Strategic MoUs
- 37** Centre Plans ₹2,000-Crore Insurance Corpus to Safeguard Shipbuilders from Buyer Defaults
- 38** No Drop in Port Cargo Despite US Tariff
- 39** Obituary
- 42** Shri Sarbananda Sonowal Unveils Green Hydrogen Pilot Project at VOC Port, Tamil Nadu
- 44** Shipping Corporation of India Inducts Second Very Large Gas Carrier 'Shivalik'
- 45** Union Minister Shri Sarbananda Sonowal Announces 60-Year Land Lease for Assam at Colaba, Mumbai
- 47** A Lifetime of Excellence in Maritime Leadership
- 48** Enhancing Efficiency & Optimization of Logistics & Supply Chain Management in Ports

Administration Office:

IMEI House
Plot No. 94, Sector -19, Nerul, Navi Mumbai 400 706.
Tel. : +91 22 2770 1664 | Fax : +91 22 2771 1663
E-mail: editornewsletter@imare.in
Website: www.imare.in

Editor-in-Chief (Hon.): **Sunil Kumar**

Editorial Board:

S.M. Rai
Ramesh Vantaram
Jagmeet Makkar
Hrishikesh Narasimhan
Krishnamurthy Balaji
Suneeti Bala
Vivek D. Prasad (Hon. Associate Editor)
Rashmi Tiwari (Associate Editor)

Edited and Published by:

Sunil Kumar on behalf of
The Institute of Marine
Engineers (India).
Published from 1012,
Maker Chambers V,
221 Nariman Point,
Mumbai - 400021.

Printed by:

Corporate Prints
Shop No.1, Three Star Co-op. Hsg.
Society, V.P Road, Pendse Nagar,
Dombivli (E) - 421 201.
District - Thane

Design and Layout:

Kryon Publishing Services (P) Ltd.,
www.kryonpublishing.com

DISCLAIMER

The views and opinions expressed in articles and content published by iMélange are solely those of the authors and do not necessarily reflect the official policy or position of the publication. Any content provided by our contributors, authors, or advertisers is for informational purposes only and should not be construed as professional advice. iMélange does not endorse any products or services mentioned in our articles or advertisements. iMélange assumes no responsibility or liability for any errors or omissions in the content or for any actions taken based on the information provided. No part of the publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior permission of the Institute of Marine Engineers (India).



**A legacy of 40 years of
Technical Excellence in India —**

**ClassNK is committed to support
the growth of the Indian maritime industry.**





From the Editor's Desk

Dear Esteemed Readers,

September arrives with the fragrance of festivity and the rhythm of renewal. As India celebrates **Onam** the harvest festival of harmony and prosperity the maritime community too finds reason to reflect on abundance—not only in tradition but also in achievements, collaborations and forward-looking initiatives.

At the heart of this month was the **42nd Annual General Meeting of IME(I)** where resolutions were passed, awards conferred and a new leadership team entrusted with steering the institution for the term 2025–27. The AGM of the Mumbai Branch together with the Navi Mumbai and Gujarat Chapters echoed the same spirit of participation and continuity. Such gatherings are more than procedural—they reaffirm the strength of our collective voice.

Festivities found their place too with the **Onam celebrations at IME(I) Kochi Branch** blending culture and community. Kochi also stood out on the professional front by strengthening industry collaborations ahead of **COMARSEM 2026**—a reminder that our branches remain active nodes of thought, partnership and planning.

Within IME(I)'s pursuits, The Directorate General of Shipping, along with IRS and IME(I), successfully hosted a workshop on "*India at the IMO: Policy, Partnership & Progress*" which underscored India's commitment to shaping global maritime policy through collaboration and forward-looking initiatives.

On the national stage several milestones marked India's maritime march forward. The Directorate General of Shipping and the Institute of Marine Engineers (India) gracefully hosted the *Conference on Shipbuilding and Repair* on Day 1 of INMEX. The **Indian Maritime University's thematic dialogue on Port Transformation** and MoUs signed signal academic-industry synergy at its best. The **Green Hydrogen Pilot Project at VOC Port Tamil Nadu** unveiled by Shri Sarbananda Sonowal places India on the frontier of sustainable port energy. Complementing this was his announcement of a **60-year land lease for Assam at Colaba Mumbai** an act of regional integration with long-term strategic value.

Industry resilience continues to shine through. Even with shifting global trade winds there has been **no drop in port cargo despite US tariffs** underscoring the robustness of India's maritime sector. The government's plan for a **₹2,000-crore insurance corpus to safeguard shipbuilders** will further boost confidence in domestic shipbuilding while **SCI's induction of the Very Large Gas Carrier 'Shivalik'** reflects capacity-building for the future.

Students too bring their voice into this edition with an insightful article on **logistics and supply chain optimization in ports**—a perspective that blends academic rigor with practical relevance.

As we move ahead the message is clear: tradition and innovation, policy and people, resilience and renewal all flow together in shaping maritime India's future.

We look forward to your reflections and contributions for the upcoming edition at editornewsletter@imare.in or subeditor@imare.in by 7th October 2025.

SUNIL KUMAR
Editor-in-Chief (Hon.) – iMélange



Join the India's Largest Association for Marine Engineers



BENEFITS OF MEMBERSHIP

- Develop professional competency on a continuous basis.
- Receive monthly technical journal free of cost.
- Access Institute's website for relevant technical and social information.
- Get special discount on Institute Publications, attendance fees at technical seminars and conferences.
- Use the opportunity to interact and network with senior marine engineering professionals, academics, administrators and business leaders.
- Receive information about marine technical events worldwide.

ABBREVIATED TITLES AND DESCRIPTION OF MEMBERSHIP

Each Corporate and Non-Corporate Member of the Institute may use the title of the grade to which he belongs or the abbreviation thereof, as provided by these Articles and shall use no other title or abbreviation to describe his relation to the Institute.

Each member of the Institute is entitled to describe himself as follows:

Fellow	F. I. Mar. E (I)	Graduate	G. I. Mar. E (I)
Member	M. I. Mar. E (I)	Student	S. I. Mar. E (I)
Associate Member	A. M. I. Mar. E (I)	Subscriber	S. M. I. Mar. E (I)
Associate	A. I. Mar. E (I)		

OUR BRANCHES & CHAPTERS ARE AT

- Chennai
- Goa
- Kolkata
- Mumbai
- Pune
- Chandigarh
- Gujarat
- Karnataka
- Navi Mumbai
- Visakhapatnam
- Delhi
- Hyderabad
- Kochi
- Patna
- Rajasthan

And many more branches being launched soon.

BECOME A MEMBER NOW

<https://sites.google.com/view/member-imei/home>

For any clarification/support, please mail us at membership@imare.in

Institute of Marine Engineers (India)
visit us: www.imare.in

42nd AGM of IME(I) Concludes with Key Resolutions, Awards and Elections



The Institute of Marine Engineers (India) successfully held its 42nd Annual General Meeting (AGM) at IME(I) House, Nerul, on 20th September 2025, with the participation of 58 distinguished members.

The meeting was chaired by **Mr. Rajeev Nayyar**, President, IME(I), who extended a warm welcome to the attendees. The session commenced with a solemn minute of silence in memory of the departed members of the Institute. **Mr. Sunil Kumar**, Honorary General Secretary (HGS), thereafter initiated the formal proceedings.

The General Body deliberated on the Council Report for the period 16th July 2024 to 26th July 2025 along with the changes to ORP during this tenure. The following resolutions were adopted:

- Approval of the minutes of the 41st AGM held on 25th September 2024.
- Adoption of the audited accounts for the financial year 2024–2025.
- Re-appointment of M/s Rajendra Trivedi and Co. as statutory auditors for FY 2025–26, at a remuneration of Rs. 80,000/- plus applicable taxes.

In recognition of academic and professional excellence, the AGM also featured the presentation of awards:

- **H.S. Rao Memorial Award**

♦ “Assessments of Ship Hull Heeling Moments Caused by Rudder Turning Manoeuvres” by **Dauson Nyonyi, Dr. V.V.S. Prasad and Dr. Giri Rajasenkar**, published in the November 2024 issue of *MER*.

- **P.C. Jain Student Memorial Award**

♦ “Renewable Energy-Powered Liquid Nitrogen Generation for Work Extraction” by **Cadets Manav Gurjar and Karan Rautela**, Tolani Maritime Institute, Pune, published in the iMélange March 2025 issue.

The prestigious **R.L. Jain Memorial, IME(I) Lifetime Achievement Award 2025** was conferred upon **Shri C. Sriramamurthy** and **Shri R.C. Mahajan** for their remarkable contributions to the field of marine engineering and their dedicated service to the Institute. The jury panel for the 2026 Lifetime Achievement Awards was also constituted, comprising **Shri Sanjeev Kumar, Shri P.K. Mishra, Shri Maneesh Jha, Dr. Sanjeet Kanungo**, the President and the HGS of IME(I).

On behalf of the Election Officer and team, the HGS announced the results of the elections for the 2025–26 term. The newly elected President addressed the AGM, outlining the future vision and strategic direction for the Institute.

The proceedings concluded with a vote of thanks delivered by Vice President **Cdr. Dr. Bhaskar Murlidhar Bhandarkar (Retd.)**.

Glimpses of the Event







42nd Annual General Meeting of IME(I) Mumbai Branch along with the Navi Mumbai and Gujarat Chapters



The Mumbai Branch of the Institute of Marine Engineers (India), along with its Navi Mumbai and Gujarat Chapters held its 42nd Annual General Meeting on Saturday 23rd August 2025 at Emerald Hall, Hotel Kohinoor Continental, Andheri Kurla Road, J B Nagar, Andheri (East), Mumbai 400059.

Mr. David Birwadkar, Chairman, Mumbai Branch, welcomed all the members present. He spoke about the monumental success of the Green Shipping Conclave held on 28th February 2025 and thanked all the committee members and organising committee for making the event a success.

Mr. Sanjeev V Mehra, Hon Secretary Mumbai Branch requested all attendees to stand for 1 minute in silence as a mark

of respect and to pay Homage to all the the members who have departed for their heavenly abode during the past year.

Thereafter, the Hon Secretary proceeded to highlight the work undertaken by the Branch and continued with the remaining items on the Agenda. He also highlighted the excellent work done by various committees for the year the audited accounts were then presented.

The IME(I) Mumbai Branch's 6th Meritorious Service Award for 2024 – 2025 was awarded to **Shri. B N Advani** (M-014). All his achievements were read out from the citation. Mr. Advani expressed gratitude for this honour to the Institute.

The event concluded with a Vote of Thanks delivered by Mr. Mehra.



THE INSTITUTE OF MARINE ENGINEERS (INDIA), GOA

IMEI House, House No.11, Plot No.- D-27, Ranghavi Estate, Post Office, Dabolim,
Goa 403 801

Tel: 0832- 2538500, Mobile: 9923102071, E-mail: traininggoa@imare.com

DG APPROVED MODULAR COURSES

Sr. No.	Course Name	Course Fee	Course Duration	Course Schedule
1	Basic Training for Oil and Chemical Tanker Cargo Operations (OCTF)	₹6,900/-	6 Days	13 October, 2025 11 November, 2025
2	Basic Training for Liquefied Gas Tanker Cargo Operations (LGTF)	₹6,900/-	5 Days	24 November, 2025
3	Basic Training for Ships using Fuels covered within IGF Code (IGFB)	₹10,500/-	5 Days	03 November, 2025
4	Security Training for Seafarers with Designated Security Duties (STSDSD)	₹4,000/-	2 Days	23 October, 2025 18 November, 2025
5	Ship Security Officer (SSO)	₹4,900/-	3 Days	27 October, 2025 20 November, 2025

- ◆ **Course Fee includes** lunch, two tea breaks, and one examination fee.
- ◆ **5% discount on group bookings of more than 6 candidates.**
- ◆ **7% discount on group bookings for combo courses (OCTF + LGTF) with more than 6 candidates.**
- ◆ **Note: Course dates are subject to change.**



THE INSTITUTE OF MARINE ENGINEERS (INDIA), GOA

IMEI House, House No.11, Plot No.- D-27, Ranghavi Estate, Post Office, Dabolim,
Goa 403 801

Tel: 0832- 2538500, Mobile: 9923102071, E-mail: traininggoa@imare.com

FULL TIME & VISITING FACULTY

In pursuit of excellence in Maritime Education & Training we need dedicated and motivated Full-Time faculty for **Modular Courses** being conducted at "IMEI HOUSE", Goa.

- ◆ Master with **GAS/OIL/CHEMICAL** experience as permanent faculty with VICT and AECS
- ◆ Master/Chief Engineer with **GAS/OIL/CHEMICAL** as visiting faculty with VICT

Forward your application to traininggoa@imare.in // principalgoa@imare.in

Contact: +91 99231 02071 // +91 82629 71988

Glimpses of the Event





Onam Celebrations at IME(I) Kochi Branch

The IME(I) Kochi Branch organized Onam celebrations, one of Kerala's most prominent and cherished festivals. While Onam officially fell on 5th September this year, the Institute marked the occasion on 3rd September. The festivities featured the traditional *Pookkalam* (floral carpet) and the

grand *Onasadya*—a lavish vegetarian feast comprising an array of authentic Kerala delicacies.



IME(I) Kochi Strengthens Industry Collaboration Ahead of COMARSEM 2026



The Hon. Secretary of IME(I) Kochi branch Shri Neithileth Rajan was deputed to Mumbai to attend the INMEX-SMM India event. During his visit, he engaged with several industry representatives and extended an invitation for their support towards **COMARSM 2026**, scheduled to be hosted by IME(I) on 29th – 30th January 2026 at Vivanta Ernakulam, Marine Drive, Kochi.





**THE MOST PROMISING
MARITIME TRAINING INSTITUTE**

**RANKED GRADE A1
(OUTSTANDING)**

**D. G. Shipping
Approved Course**

**Advanced Training for Ships using Fuels
covered within IGF code Course Id – 5312**

Course Dates:

14th Oct 2025 / 18th Nov 2025 / 9th Dec 2025

5 Days

**COURSE FEE
RS. 21550/-**

[Click Here to Book Now](#)

For any queries:



training@imare.in



022 2770 1664 & 27711663



8454847896



**IMEI HOUSE, Plot No.94, Sec-19, Nerul,
Navi Mumbai – 400 706**

Visit: <https://imare.in/>

India Strengthened its IMO Engagement through Interactive Workshop on Policy, Partnership & Progress

The Directorate General of Shipping, in association with the Indian Register of Shipping (IRS) and the Institute of Marine Engineers (India), successfully hosted an interactive workshop on “India at the IMO: Policy, Partnership & Progress” at the IRS headquarters, Powai, Mumbai on 8th September 2025.

The workshop was organised under the Ministry of Ports, Shipping and Waterways’ **Neel Arth Vision Implementation Cell initiative** and brought together policymakers, maritime regulators, industry leaders and domain experts for an in-depth exchange of views on India’s role at the International Maritime Organization (IMO).

The day-long event commenced with registration and networking, followed by a ceremonial lighting of the lamp and Saraswati Vandana. In the welcome address, **Shri David Birwadkar**, Chairman, IME(I) Mumbai, outlined the objectives of the workshop and emphasised the importance of collective industry participation in global maritime forums.

Key addresses set the tone of the event.

- **Shri Shyam Jagannathan, (IAS)**, Director General of Shipping, delivered an insightful address through a comprehensive presentation, strongly reaffirming India’s maritime vision.
- **Shri Sushil Mansing Khopde, (IPS)**, Additional Director General of Shipping, shared his perspectives on the regulatory framework, emphasising the importance of robust enforcement mechanisms and policy alignment to strengthen maritime governance.
- **Capt. S.I. Abul Kalam Azad**, Nautical Advisor-cum-Additional Director General, provided valuable insights into the regulatory dimensions, underlining the need for enhanced safety standards, navigational compliance and sustainable practices within the maritime sector.
- **Shri Arun Sharma**, Executive Chairman, IRS, in his address, underlined the importance of sustained collaboration between government, industry and academia in shaping India’s global maritime standing.
- **Shri P.K. Mishra**, Managing Director, IRS, provided valuable insights into India’s evolving contributions to IMO.



- **Shri Rajeev Nayyar**, President, IMEI (I), spoke on the increasing significance of industry engagement in IMO processes.

Shri Aniruddha Chaki, Deputy Chief Surveyor-cum-Senior DDG (Technical) & In-charge of International Cooperation, DGS, delivered the opening presentation. He highlighted the creation of NAVIC & ViBhaS Cells under MoPSW to realize Maritime Amrit Kaal Vision (MAKV) and Maritime India Vision (MIV).

He introduced NAVIC 24: International Cooperation (IMO Matters) and its key initiatives:

- Posting a Technical Domain Representative at IMO
- Deployment of SPOs & JPOs
- Annual Report on India’s IMO participation
- Establishing an India-sponsored Chair at WMU

He also unveiled the concept of IMO Shadow Committees and the upcoming Shadow Committees Engagement Platform – a digital initiative to enable structured consultations, strengthen India’s preparedness, and enhance its voice at the IMO.

The workshop featured two technical sessions:

1. **Marine Environment Protection Committee (MEPC) & Sub-Committees** – The speakers for the session were: **Shri Kunal Sharma**, Senior Surveyor, IRS; **Shri N. Girish**, Technical Expert, IRS; **Shri Senthil Kumar Jayaraman**, Principal Officer, MMD Chennai; **Shri I.N Bose**, Advisor, The Great Eastern Shipping Co. Ltd.; **Shri Mahesh Subramanian**, Group Head – ESG and Projects, Anglo Eastern Maritime Services and **Shri B. Venkat**, General Manager, Environmental

Compliance, Anglo Eastern Maritime Services. **Shri Rajeev Nayyar**, President, IME(I) was the moderator of the session. The speakers shared perspectives on marine environmental policies, climate change regulations and sustainable shipping practices.

2. **Maritime Safety Committee (MSC)** – In this session the speakers were: **Capt. S.I. Abul Kalam Azad**, Nautical Advisor (i/c), Directorate General of Shipping; **Cdr. Sandeep Kumar (Retd.)**, Sr. Principal Surveyor, Indian Register of Shipping; **Shri Lokanath Tripathy**, Head Offshore Logistics Services, Greatship India Limited; **Shri Nebu Oommen**, Dy. Chief Ship Surveyor cum, Senior Dy Director General (Technical); **Capt. Mahesh Yadav**, Director, FOSMA. The moderator

of the session was **Shri Sunil Kumar**, CTO & Head of Training & Assessment, GESCO. This session addressed safety standards, technological integration and India's proactive stance on international safety regulations.

In the post-lunch session, the **Indian Ports Association (IPA)** presented updates on *India Maritime Week 2025*, followed by an interactive media engagement, reflecting the collaborative outreach of the maritime fraternity.

The proceedings concluded with a summing-up by **Shri Birwadkar**, a heartfelt vote of thanks by **Shri Santosh Patil**, IRS, and the singing of the National Anthem, after which delegates continued discussions during the networking session.

Glimpses of the Event













The Institute of Marine Engineers (India)

New Leadership for the Term 2025-27

The Institute of Marine Engineers stands as the premier professional body representing marine engineering experts in India. It is committed to enhancing the knowledge and capabilities of its members by offering a wide range of resources, encompassing professional development initiatives as well as welfare services. The Institute's strong presence is reflected in its 15 branches, including chapters across India, along with three overseas branches, collectively bringing together a distinguished community of over 12,000 members worldwide.

The newly constituted team of Governing Council Members and Office Bearers is dedicated to advancing the Institute's vision through collaborative efforts. Their collective objective is to position the Institute as the foremost authority and principal resource for professionals in the field of marine engineering and allied disciplines. With a forward-looking approach, they aspire to provide global leadership in the profession while nurturing partnerships with other institutions to advance education and research in engineering sciences.



President
KAUSHIK KUMAR SEAL
president@imare.in



Vice President
SUNIL KUMAR
vicepresident@imare.in



Hon. Gen. Secretary
VIVEK DIWAKAR PRASAD
hgs@imare.in

GC Members

Sanjeev V Mehra
Chairman
Mumbai Branch
chairmanmumbai@imare.in

Rajesh Kasaragod
GC Member
Mumbai Branch
mumbaigc1@imare.in

Pattabhiraman Lakshman
GC Member
Mumbai Branch
mumbaigc2@imare.in

Chitta Ranjan Dash
Chairman
Navi Mumbai Branch
chairmannavimumbai@imare.in

Sadhan Kumar Sarkar
Chairman,
Kolkata Branch
chairmankolkata@imare.in

Shanti Ranjan Pal
G C Member
Kolkata Branch
kolkatagc1@imare.in

Swapan Kumar Saha
G C Member
Kolkata Branch
kolkatagc2@imare.in

Antony Mathew Pallan
G C Member
Kochi Branch
kochigc1@imare.in

V.V. Paul
G C Member
Kochi Branch
kochigc2@imare.in

Chirag Bahri
G C Member
Delhi Branch
delhigc2@imare.in

Larson D'Sa
Chairman
Goa Branch
chairmangoa@imare.in

Girish V Kotwal
Chairman
Pune Branch
chairmanpune@imare.in

Dilshah Singh Anand
Chairman
Visakhapatnam Branch
chairmanvisakhapatnam@imare.in

V D Prasad Samavedam
G C Member
Visakhapatnam Branch
visakhapatnamgc1@imare.in

R Muthusamy
Chairman
Chennai Branch
chairmanchennai@imare.in

Sanjeev S. Vakil
G C Member
Chennai Branch
chennaigc1@imare.in

Suresh Sheno
G C Member
Chennai Branch
chennaigc2@imare.in

LIST OF OFFICE BEARERS - FOR THE TERM 2025-2027

HEAD OFFICE

PRESIDENT
KAUSHIK KUMAR SEAL - F 3209
Email id: president@imare.in
Mobile No: 7291823052

VICE PRESIDENT
SUNIL KUMAR
Email id: vicepresident@imare.in
Mobile No: 9820368020

HON. GEN. SECRETARY
VIVEK DIWAKAR PRASAD
Email id: hgs@imare.in
Mobile No: 9833600560

MUMBAI BRANCH

CHAIRMAN
Sanjeev V Mehra - F 4562
Email id: chairmanmumbai@imare.in
Mobile No: 9820432899

HON. TREASURER
Loknath P Tripathy - F 29128
Email id: lptripathy@gmail.com
Mobile No: 9920345873

EXE. COMM. MEMBER
Sonali Banerjee - F 3609
Email id: sonali4843@gmail.com
Mobile No: 9860996837

EXE. COMM. MEMBER
Bikram Kumar Jena - F 3745
Email id: bkjena@gmail.com
Mobile No: 9702473300

VICE CHAIRMAN
Ranjeet Singh - F 5541
Email id: ranjeet71@gmail.com
Mobile No: 7049009072

GOVERNING COUNCIL MEMBER
Rajesh Kasaragod - F 4792
Email id: rkasaragod@gmail.com
Mobile No: 9930136556

EXE. COMM. MEMBER
Naveen Kumar - F 32182
Email id: naveen.kumar@irclass.org
Mobile No: 9821616296

HON. SECRETARY
Sunayan Sanatani - F 3333
Email id: sanatani@gmail.com
Mobile No: 9820391571

GOVERNING COUNCIL MEMBER
Pattabhiraman Lakshman - F 5042
Email id: lakshman3608@live.com
Mobile No: 9820290738

EXE. COMM. MEMBER
Cdr Dr. Bhaskar Murlidhar Bhandarkar - F 8331
Email id: bhandarkar4imei@gmail.com
Mobile No: 9769332305

NAVI MUMBAI CHAPTER

CHAIRMAN
Chitta Ranjan Dash - F 2375
Email id: chittadash1958@gmail.com
Mobile No: 8879004806

EXE. COMM. MEMBER
Archana Saxena Sangal - F 24734
Email id: archana_sangal@yahoo.com
Mobile No: 9920062295

HON. SECRETARY
M. Tariquem Qasim Mulla - F 5712
Email id: tarique_mulla@yahoo.co.in
Mobile No: 9619547597

EXE. COMM. MEMBER
Shilpa Bhandurke - F 31785
Email id: shilpabhandurke@gmail.com
Mobile No: 7378845454

HON. TREASURER
Jyoti Kumari - AM 22979
Email id: seabird_here@yahoo.com
Mobile No: 8169262115

GUJARAT CHAPTER

CHAIRMAN
Prakash Gajendra Desai - F 14593
 Email id: desai_prakash2003@yahoo.co.in
 Mobile No: 9998070140

EXE. COMM. MEMBER
Saumil Mdhusudan Thanki- F 14358
 Email id: saumilthanki@yahoo.com
 Mobile No: 9724661773

HON. SECRETARY
Kushal Ashwin Mehta - F 25914
 Email id: kushal.mehta85@gmail.com
 Mobile No: 8488844424

HON. TREASURER
Puru Dilip Bakshi - F 2600
 Email id: porus3017@gmail.com
 Mobile No: 9825028179

CHENNAI BRANCH

CHAIRMAN
Ramasamy Muthusamy - F 3989
 Email id: chairmanchennai@imare.in
 Mobile No: 9840134947

HON. TREASURER
Dr. K. Sivasami - F 12482
 Email id: ksivasami@imu.ac.in
 shipsivas@gmail.com
 Mobile No: 9994968456

EXE. COMM. MEMBER
Dinesh Karumannan Ramasamy - F 25882
 Email id: ram_krdinesh@yahoo.com
 Mobile No: 9488035126

VICE CHAIRMAN
Sadagopan Kannan - F 0438
 Email id: elasaikannan@gmail.com
 Mobile No: 9841067600

GOVERNING COUNCIL MEMBER
Sanjeev S. Vakil - F 3907
 Email id: chennaicg1@imare.in
 Mobile No: 9381004626

EXE. COMM. MEMBER
Rajesh Madusudanan - F 8458
 Email id: rmadusudanan@yahoo.com
 Mobile No: 9870567419

HON. SECRETARY
Ramesh Subramanian - F 4498
 Email id: chandri.ramesh@gmail.com
 Mobile No: 9381013180

GOVERNING COUNCIL MEMBER
Suresh Appula Shenoi - F 5450
 Email id: cheng.chennai@gmail.com
 Mobile No: 9790960776

DELHI BRANCH

CHAIRMAN
VACANT

GOVERNING COUNCIL MEMBER
Chirag Bahri - F 19922
 Email id: bahri_cg@yahoo.com /
 delhigc2@imare.in
 Mobile No: 9997117220

VICE CHAIRMAN
Atul Mani Sharma - F 2723
 Email id: atulmani.sharma@gmail.com
 Mobile No: 9810363384

EXE. COMM. MEMBER
Samir Saran Lal - F 19645
 Email id: samirslal@gmail.com
 Mobile No: 9560498032

HON. SECRETARY
Cdr Ashish Mathew - AM 26995
 Email id: ashmat0611@gmail.com
 Mobile No: 9892547015

CHANDIGARH CHAPTER

CHAIRMAN
Iqbal Singh - F 3866
 Email id: iqbalsingh363@yahoo.co.in
 Mobile No: 9814431912

EXE. COMM. MEMBER
Ramesh Kumar - F 27541
 Email id: agnihotr408@gmail.com
 Mobile No: 9417466705

HON. SECRETARY
Arun Kumar Agarwal - F 1416
 Email id: arun1714@gmail.com
 Mobile No: 9417273820

HON. TREASURER
Sanjeet Singh - F 1440
 Email id: sanjeet332@yahoo.co.in
 Mobile No: 9815538175

GOA BRANCH

CHAIRMAN
Larson D'sa - F 22503
 Email id: chairmangoa@imare.in
 Mobile No: 9145343795

HON. TREASURER
Hrushikesh Sahu - F 4213
 Email id: h_sahu2002@yahoo.co.in
 Mobile No: 9552564077

VICE CHAIRMAN
Shivram Ravindra Kamat - F 4729
 Email id: sivramkamat@yahoo.co.in
 Mobile No: 9527361807

EXE. COMM. MEMBER
Bhaskar Prabhakar Rivanker - F 5191
 Email id: birdybhaskar@gmail.com
 Mobile No: 8605245410

HON. SECRETARY
Alwin Anthony Dias - F 7327
 Email id: alwindias@gmail.com
 Mobile No: 9404541492

KOCHI BRANCH

CHAIRMAN VACANT

HON. TREASURER

Isaac. P Issac – F 29116
Email id: isaacpisaac@gmail.com
Mobile No: 9895604918

EXE. COMM. MEMBER

Ashraaf A Sulta N – M 6130
Email id: asharaaffms@gmail.com
Mobile No: 9846210077

VICE CHAIRMAN

Sivaram Narayana Swamy - F 4285
Email id: chairmankochi@imare.in
Mobile No: 9387640010

GOVERNING COUNCIL MEMBER

Antony Mathew Pallan – F 1737
Email id: pallan.antony.mathew@gmail.com
Mobile No: 9447329279

EXE. COMM. MEMBER

Dipak Mohan – F 4658
Email id: dipakmohan@gmail.com
Mobile No: 9037477904

HON. SECRETARY

Sanjeev Kootu Ngal Krishnapillai - F 3313
Email id: kksanjeev19@gmail.com
Mobile No: 8879366414

GOVERNING COUNCIL MEMBER

V.V. Paul – F 4019
Email id: paulvareed@hotmail.com
Mobile No: 9495749042

EXE. COMM. MEMBER

Jis George - F 5067
Email id: mailjisgeorge@gmail.com
Mobile No: 9895485037

KARNATAKA CHAPTER

CHAIRMAN

Preetam Kumar Seetharam - F 3285
Email id: preetamkumars@gmail.com
Mobile No: 9535248730

HON. SECRETARY

Rupali Joshi - F 30256
Email id: joshi.rupali17@gmail.com
Mobile No: 9421018858

HON. TREASURER

Prakash Alva KT - M 2915
Email id: alvakp@outlook.com
Mobile No: 9945045982

KOLKATA BRANCH

CHAIRMAN

Sadhan Kumar Sarkar - F 1238
Email id: chairmankolkata@imare.in
Mobile No: 9875344077

VICE CHAIRMAN

Ashoke Kumar Barai - F 15971
Email id: ashoke.barai@gmail.com
Mobile No: 9820086500 / 9433086051

HON. SECRETARY

Soumitra Neogi - F 32660
Email id: neogi.s.5@gmail.com
Mobile No: 9830354729

HON. TREASURER

Arun Kumar Singh - F 2997
Email id: arun.alka78@gmail.com
Mobile No: 9830349655

GOVERNING COUNCIL MEMBER

Shanti Ranjan Pal – F 3981
Email id: shantiranjpal@gmail.com
Mobile No: 9433007394

GOVERNING COUNCIL MEMBER

Swapan Kumar Saha - F 0886
Email id: sutishru@yahoo.co.in
Mobile No: 9830226848

EXE. COMM. MEMBER

Gautam Sen - F 533
Email id: sens.kblane@gmail.com
Mobile No: 9830349655

EXE. COMM. MEMBER

Abhijit Banerjee - F 5748
Email id: abmariner23@yahoo.com
Mobile No: 9830487023

EXE. COMM. MEMBER

Saumitra Ghosh – F 2356
Email id: saumitra40@yahoo.com
Mobile No: 8240802277

PUNE BRANCH

CHAIRMAN

Girish V Kotwal - F 2930
Email id: chairmanpune@imare.in
Mobile No: 9822409656

VICE CHAIRMAN

Sanjeev D. Ogale - F 3346
Email id: sanjeev@torinomail.com
Mobile No: 9822409657

HON. SECRETARY

Ajit Shelar – F 27049
Email id: ajitshelar367@gmail.com
Mobile No: 9028470600

HON. TREASURER

Deepak V. Saranjame - M 3548
Email id: dsaranjame@gmail.com
Mobile No: 9823895454

EXE. COMM. MEMBER

Mohan G Joshi - M 4775
Email id: mogajoshi@gmail.com
Mobile No: 9423160593

VISAKHAPATNAM BRANCH

CHAIRMAN

Dilshah Singh Anand - F 3679
Email id: chairmanvisakhapatnam@imare.in
Mobile No: 9848194808

VICE CHAIRMAN

Dr. Varaha Siva Prasad Vanthala - F 24940
Email id: prasadau@gmail.com
Mobile No: 9440413844

HON. SECRETARY

Voona Lakshmiapati Rao - F 2963
Email id: voonalrao@gmail.com
Mobile No: 9848199565

HON. TREASURER

Sravan Kumar Pukkalla - F 35775
Email id: voonalrao@gmail.com
Mobile No: 9848199565

GOVERNING COUNCIL MEMBER

V.D. Prasad Samaveda - F 3075
Email id: visakhapatnamgc1@imare.in / svdprasad@gmail.com
Mobile No: 9848194808

EXE. COMM. MEMBER

Vijayananda Kumar Amara - F 1283
Email id: amaravk1954@gmail.com
Mobile No: 9390689530

EXE. COMM. MEMBER

Arbind Kumar Choudhary – F 35138
Email id: arbind.choudhary34@gmail.com
Mobile No: 9840513542

Directorate General of Shipping and Institute of Marine Engineers (India) Successfully Host Conference on Shipbuilding and Repair at INMEX SMM India 2025



The 14th edition of INMEX SMM India 2025 was held from 10th to 12th September 2025 at the Bombay Exhibition Centre, Goregaon, Mumbai. The event brought together global and domestic maritime stakeholders to deliberate on this transformation. Organised under the central theme “*Building India’s Blue Economy: Shipbuilding & Repair as Growth Drivers*”, the event drew participation from over 250 maritime brands, 20+ international pavilions, 80+ expert speakers and more than 9,000 visitors. It emerged as a hub for knowledge exchange, strategic collaboration and policy dialogue, setting the stage for advancing India’s maritime ambitions.

The **Directorate General of Shipping** and the **Institute of Marine Engineers (India)** successfully hosted the **Conference on Shipbuilding and Repair on Day 1 of INMEX**. The landmark conference highlighted the critical role of shipbuilding and repair in shaping India’s maritime growth and advancing the nation’s **Blue Economy**.

Organised under the theme “**Building India’s Blue Economy: Shipbuilding & Repair as Growth Drivers**”, the full-day event brought together **senior government officials, maritime regulators, industry leaders,**

policymakers and innovators for an engaging exchange of ideas. The discussions reinforced India’s commitment to strengthening its shipbuilding capacity, repair ecosystems, and allied maritime services in line with **Maritime India Vision 2030** and **Viksit Bharat 2047**.

The event was inaugurated by **Shri Nitesh Rane**, Hon’ble Minister of Fisheries & Ports Development, Government of Maharashtra in the presence of an esteemed panel of dignitaries, industry leaders and policymakers:

- **Mr. Sabyasachi Hajara**, Chairman, INMEX SMM India Advisory Board and Former CMD, Shipping Corporation of India.
- **Mr. Ulas Boyaci**, COO Exhibitions, Hamburg Messe und Congress GmbH.
- **Ms. Monica Nagelgaard**, Consul General, Royal Norwegian Consulate General, Mumbai.
- **Inspector General Bhisham Sharma**, PTM, TM, Commander, Indian Coast Guard Region (West).

- **Shri Shyam Jagannathan**, Director General of Shipping, Directorate General of Shipping, Ministry of Ports, Shipping and Waterways.
- **Shri Shantanu Thakur**, Hon'ble Minister of State, Ministry of Ports, Shipping and Waterways, Government of India (via video message).
- **Mr. Yogesh Mudras**, Managing Director, Informa Markets in India.

The conference agenda featured **presentations, partner showcases and panel discussions** covering a wide spectrum of topics:

- Enhancing ship repair efficiency, reducing turnaround time and adopting new technologies
- The impact of government policies on India's shipbuilding and repair sector over the past decade and future outlook
- Smart docking and launching technologies to accelerate India's shipbuilding ambitions
- Market-based measures from MEPC 83 and their implications for the maritime industry
- Indigenisation of marine systems and equipment to enable self-reliance
- Skilled workforce development to address training gaps and build maritime talent for the future



The event received strong participation from across the maritime ecosystem, fostering collaboration, innovation and actionable partnerships. Delegates underscored the importance of positioning India as a global hub for shipbuilding and repair while driving economic growth, sustainability and competitiveness on the world stage.

Speaking on the occasion, senior representatives from the Directorate General of Shipping and IME(I) reaffirmed their shared commitment to enabling India's shipbuilding sector to reach its full potential and contribute meaningfully to national economic development.



Directorate General of Shipping Celebrates 75 Glorious Years of Shaping India's Maritime Future



The Directorate General of Shipping (DGS), Ministry of Ports, Shipping and Waterways, marked its Platinum Jubilee with a ceremonial function at the Bharat Ratnam-Mega Common Facilitation Centre, SEEPZ SEZ, Mumbai. The landmark event brought together government leaders, industry stalwarts, academicians, international representatives and maritime professionals to commemorate 75 years of nation-building through sea and service.

The Platinum Jubilee Ceremony was graced by the Minister of State of Ports, Shipping and Waterways **Shri Shantanu Thakur** along with senior dignitaries such as **Shri Shyam Jagannathan (IAS)**, Director General of Shipping; **Shri Sushil Mansing Khopde (IPS)**, Additional Director General of Shipping; **Capt. S.I. Abul Kalam Azad**, Nautical Advisor-cum-Additional Director General; **Capt. B.K. Tyagi**, Chairman & Managing Director, Shipping Corporation of India; **Shri Manoj Kumar**, Chief Vigilance Officer, Directorate General of Shipping and **Shri Manoj Kumar**, Director (Mails & BD), Postal Services.

Speaking on the occasion, MoS Shri Shantanu Thakur said, "The Directorate General of Shipping has been the backbone of India's maritime growth, supporting our seafarers, regulating the industry and ensuring global standards. As we mark this Platinum Jubilee, our commitment is to further strengthen India's role in global

shipping, foster innovation and create new opportunities for our youth in the maritime sector. Together we will steer India towards becoming a world-class maritime hub."

DG Shipping Shri Shyam Jagannathan said, "The Directorate General of Shipping is not merely celebrating 75 years of existence but 75 years of service, resilience and leadership built on India's 5,000-year-old maritime heritage. From ensuring safe seas to embracing digitalisation and green shipping, our journey has been one of constant adaptation to global challenges. As we transition towards a Directorate of Maritime Affairs, our mandate will expand to shipbuilding, inland navigation, offshore operations and maritime sustainability. Guided by Maritime India Vision 2030 and Amrit Kaal 2047, we aim to double India's share of the global seafaring pool, rise among the top five shipbuilding nations and develop world-class maritime training. This Platinum Jubilee is a tribute to our officers, seafarers, training institutes and industry partners whose dedication has carried us this far and whose passion will power India's rise as a global maritime leader."

The day-long celebration unfolded in four phases beginning with the opening of the "75 Years of Sea and Service" Maritime Exhibition, inaugurated by **Shri Rajiv Jalota**, Former Chairman, Mumbai Port Authority,



Former Director General of Shipping and Secretary to the Government of India and **Capt. (Dr.) Ashutosh V. Apandkar**, Principal, TS Rehman. The exhibition showcased India's rich maritime heritage and the evolution of the shipping sector. Retired officers, DGS staff and their families walked through history, witnessing rare visuals, archival records and innovations that have steered India's maritime growth.

Highlights of the evening included the launch of a special commemorative postal cover and customised My Stamp, the release of a coffee table book on India's maritime journey and the screening of a documentary trailer capturing the evolution of DGS since its inception in 1949.

To honour excellence in the sector, the DG Shipping 75th Anniversary Awards recognised contributions across diverse categories such as the NauSakti Women in Maritime Excellence Award, Harit Samudra – Green Shipping Pioneer Award, Digital Naukik – Tech Transformation Award and the Lifetime Achievement Award among others.

Adding to the spirit of celebration, the event featured cultural performances under the theme "Echoes from the Sea" honouring the courage, resilience and innovation of India's seafarers and maritime workforce.

The Sea Within a compilation of Memories at Sea by the Seafarers was released on the day.

Distinguished representatives graced the stage to accept the awards on behalf of their respective companies,



across the various categories of recognition including **Capt. Nikunj Parashar** and team from Sagar Defence Engineering Private Limited conferred with Udyamita Jyoti MSME Maritime Excellence Award. Harit Samudra Green Shipping Pioneer Award conferred to The Great Eastern Shipping Company Ltd. **Capt. Ankush Gupta**, Chief Operating Officer, received the award on behalf of Great Eastern Shipping.

Mr. Kirtan Sanjeev Vakil, a Graduate Member of IME(I) and son of **Dr. Sanjeev Vakil**, Fellow member of IME(I), conferred with the "Yuva Tarang Young Maritime Entrepreneur Award" on the occasion.

The Institute of Marine Engineers (India) is honoured to be recognised as a supporter of the 75 Years of DG Shipping Celebration. IME(I) conveys its sincere appreciation to the organisers for including it under the 'Supported By' category.



Award Winners List

Noukushal Visharad was presented to Mr. Saifuddin Hajee, Chairman, SHM Group.



Nau Sakti Women in Maritime Excellence Award conferred to Maersk Fleet Management and Technology Private Limited.



Harit Samudra Green Shipping Pioneer Award conferred to The Great Eastern Shipping Company Ltd.



Sagarmitra Coastal Impact Award conferred to LRAJ Green Solutions Private Limited



Antariksh Navigator Future-Ready Training Award conferred to Anglo Eastern Maritime Training Centre



Samudra Rakshak Safety & Resilience Award conferred to Information Fusion Centre – Indian Ocean Region (IFC-IOR)



Digital Naukik Tech Transformation Award conferred to Adani Ocean Sparkle Limited



Atmanirbhar Naukik Indigenous Shipbuilding Award conferred to Chowgule and Company Private Limited



Vishwa Naukik Global Maritime Partnership Award conferred to MSC Crewing Services Private Limited



Udyamita Jyoti MSME Maritime Excellence Award conferred to Sagar Defence Engineering Private Limited



Jal – Doot Seafarer Welfare Champion Award conferred to National Union of Seafarers of India (NUSI)



Maritime Itihaas Heritage Guardian Award conferred to Training Ship Rahaman



Swachh Samudra Ship Recycling Excellence Award conferred to Bansal Ship Breakers Private Limited



Sponsor's Felicitation



Felicitation of Staff of DGS, MMD & Other Allied Offices



Indian Maritime University Concludes Thematic Dialogue on Port Transformation and Signs Strategic MoUs



From L-R - Shri Vetrivel Ramadoss, Sr. Vice President & Unit Head, JSW Infrastructure Ltd.; Shri Senthil Kumar, Chief Surveyor MMD Chennai; Shri Rajesh Kumar Sinha (IAS), Special Secretary, Ministry of Ports, Shipping and Waterways; Dr. Malini V Shankar, IAS (Retd.), Vice Chancellor, IMU; Prof. (Dr.) Manoj Choudhary, Vice Chancellor, GSV, Dr. Rajoo Balaji, Pro Vice Chancellor, IMU; Cmd. K.D. Joshi, (IN) (Retd.), Controller of Examinations, IMU.

The Indian Maritime University (IMU) successfully hosted a thematic dialogue session titled “Transforming Indian Ports: Capacity Building, Sustainability and Digital Innovation” at its Chennai Campus. The event served as a prelude to the India Maritime Week (IMW) 2025, organised by the Ministry of Ports, Shipping and Waterways, and the upcoming National Conference on Port-Led Regional Development, to be held in November 2025 in collaboration with Gati Shakti University, Gujarat Maritime University, CEPT University and Adani University.

The dialogue aligned with India’s Maritime India Vision 2030 and Amrit Kaal Maritime Vision 2047, which aim to elevate Indian ports to global standards. The deliberations revolved around three key themes: expanding port capacity to over 3,300 MMTPA, harnessing emerging technologies such as IoT, AI and blockchain for digital innovation and advancing sustainability through green technologies in line with the **Harit Sagar Guidelines**.

On this occasion, IMU formalised two significant MoUs:

- **IMU and Swan Defence and Heavy Industries Limited (SDHI):** A collaboration to enhance maritime skilling in shipbuilding and heavy fabrication. The partnership will establish centers of excellence, offer skilling programs and provide ITI graduates with simulated and industrial training opportunities,

thereby strengthening employment prospects in the shipbuilding sector.

- **IMU and Tamil Nadu Skill Development Corporation (TNSDC):** An agreement under the “Naan Mudhalvan Finishing School” initiative to provide employability-based training. The MoU envisions faculty and student exchanges, joint training programmes and collaboration in innovation and incubation activities.

The event featured addresses by an eminent lineup of dignitaries, including **Dr. (Mrs.) Malini V. Shankar (IAS) (Retd.)**, Vice Chancellor, IMU, who inaugurated the session and **Shri Rajesh Kumar Sinha, IAS**, Special Secretary, MoPSW, who delivered the inaugural address. Keynote contributions came from **Prof. (Dr.) Manoj Choudhary**, Vice Chancellor, GSV and senior industry leaders from JSW Infrastructure and MMD Chennai.

The thematic sessions included expert perspectives on Port-led Regional Development, Sustainability and Digital Innovation, followed by a panel discussion moderated by **Dr. Pankaj Kumar S.**, Founder, Centre for Urban R&D. A special address by **Prof. G. Raghuram**, VC, IMU, highlighted case studies on ports, PPPs and pollution.

The event concluded with remarks from **Prof. Sankaran**, Head, SMET and a formal vote of thanks by **Dr. M. Sekar**, Head, SMM, IMU Chennai Campus.



THE INSTITUTE OF MARINE ENGINEERS (INDIA)

KOLKATA BRANCH

MTINO.307030

31/3, Sahapur Colony, Flat No. A-1/2, New Alipore, Kolkata-700053.

Tel. (M): +91 8697430058 | 9820484498

E-mail: principalkolkata@imare.in | enquirymentckol@imare.in

Course Fee & Schedule for DGS approved Courses at IMEI, Kolkata Branch

Sr. No.	Name of the course	Course Fee	Course Duration	Schedule
1.	Basic Training for Ships using Fuels covered within IGF Code (IGFB)	Rs.15,500/- (including lunch & one time Exit Examination fees)	5 days	13th October-17th October, 2025/ 10th November-14th November, 2025/ 8th December-12th December, 2025
2.	Crisis Management & Human Behaviour	Rs. 9,500/- (including lunch & one time Exit Examination fees)	5 days	7th -October-11th October, 2025/ 24th November-28th November, 2025/ 1st December-5th December, 2025
3.	Crowd management, Passenger Safety and Safety Training	Rs. 4,000/- (including lunch & one time Exit Examination fees)	3 days	23rd October-25th October, 2025/ 17th November-19th November, 2025/ 15th December-17th December, 2025
4.	Security Training for Seafarer with Designated Security Duties (STSDSD)	Rs. 2,500/- (including lunch & one time Exit Examination fees)	2 days	30th October-31st October, 2025/ 20th November-21st November, 2025/ 18th December-19th December, 2025
5.	Ship Security Officer (SSO)	Rs. 5,000/- (including lunch & one time Exit Examination fees)	3 days	27th October-29th October, 2025/ 3rd November-5th November, 2025/ 22nd December-24th December, 2025

- **Discount of 5% for Group Booking of more than 5 candidates.**
- **Discount of 10% for Group Booking of more than 10 candidates.**
- **For IMEI Member, 10% Discount available.**
- **Rs.50/- for DGS Fees for issuance of certificate.**
- **If more candidates are available, we can schedule a special batch as and when required.**
- **Special Discount may be available for block booking and student candidates**

Centre Plans ₹2,000-Crore Insurance Corpus to Safeguard Shipbuilders from Buyer Defaults



The Government of India is preparing to set up a ₹2,000-crore insurance corpus to protect Indian shipbuilders from buyer defaults, in a move aimed at strengthening business sustainability in the capital-intensive shipbuilding sector.

According to senior officials, the Ministry of Ports, Shipping and Waterways is in advanced discussions with the Ministry of Finance and other stakeholders to introduce a buyer's default insurance product through a public-sector agency. The scheme will provide compensation to shipyards if a client cancels or defaults on an order midway through construction or at the time of delivery.

The initiative is part of the broader ₹20,000-crore Shipbuilding Cluster Scheme announced in the Union Budget, which seeks to establish integrated hubs, attract global players and develop a resilient domestic ecosystem.

Global precedents, particularly in South Korea, demonstrate that government-backed buyer default insurance not only reduces premiums but also provides shipyards with confidence

to accept larger and more complex orders. Currently, Indian shipyards have limited recourse in the event of default, especially for customised vessels that are difficult to resell.

The government is considering entities such as the National Credit Guarantee Trustee Company (NCGTC) and the Export Credit Guarantee Corporation of India (ECGC) to administer the fund. Premium replenishment is likely to be structured based on claims experience, which globally average around 5% of orders.

Past buyer defaults have impacted the sector, with several Indian shipbuilders — including Larsen & Toubro — suffering losses due to stranded vessels, ultimately prompting exits from commercial shipbuilding.

Industry experts note that the proposed insurance mechanism could provide dual benefits: reducing risks for shipyards and making ship financing more attractive to foreign investors. This, they say, will significantly improve India's competitiveness in the global shipbuilding market.

No Drop in Port Cargo Despite US Tariff



Union Minister for Ports, Shipping and Waterways, **Shri Sarbananda Sonowal**, asserted that India's port cargo volumes remain unaffected despite the recent 50% tariff imposed by the United States on Indian products.

"We are capable of handling any challenge. There has been no reduction in cargo handled by major ports in India so far," the Minister told reporters, attributing the resilience to strong domestic consumption and new opportunities created through bilateral trade agreements.

The Minister was speaking after inaugurating and laying the foundation stone for infrastructure projects worth over ₹350 crore at V.O. Chidambaranar Port, Tamil Nadu. Among the key initiatives unveiled was the country's

first port-based green hydrogen pilot project — a 10 Nm³/hr facility designed to power street lighting and an electric vehicle charging station in the port colony. The project positions the port to secure "Green Port" certification by the end of the year.

Sonowal also laid the foundation for a pilot green methanol bunkering and refuelling facility with a capacity of 750 m³. This initiative forms part of the proposed Coastal Green Shipping Corridor between Kandla and Tuticorin, aimed at accelerating India's transition to cleaner maritime operations.

"These projects underline our commitment to sustainable shipping and port operations, while ensuring trade growth is not hampered by external shocks," the Minister said.

Obituary



Ashok Narula (A 1609)

(1955 – 2025)

Shri **Ashok Narula**, a distinguished alumnus of DMET (1972–1976), who was born on **29th January 1955** and left for his heavenly abode on **8th September 2025**.

Ashok Narula's professional journey was marked by excellence, dedication and leadership. He began his illustrious maritime career as a **Chief Engineer**, spending over **13 years at sea**, where his expertise and commitment earned him the respect of peers and colleagues alike.

In **March 1990**, he transitioned into the corporate world, where his talent and hard work quickly propelled him up the ranks. By **2000**, he had become the **Managing Director of GEA Westfalia Separator India**.

He leaves behind a profound void in the hearts of his family, friends and colleagues. May his soul rest in eternal peace.

FIRST INFORMATION BROCHURE



COMARSEM-2026

An International Convention
Theme

Maritime India-Innovations & Collaboration

Date
29-30 JANUARY 2026

Venue
Vivanta Ernakulam, Marine Drive, Kochi

Organised by
The Institute of Marine Engineers (India), Kochi Branch
Kamalam Towers, Narayananasan Road
Vyttila, Kochi, Kerala 682019
Mob: 7025159111, 8129852288
comarsem@gmail.com



COMARSEM 2026
COCHIN MARINE SEMINAR

Invitation for Technical Papers

Marine engineering professionals from industries, research & development organizations, academic institutions, government departments, Shipyards, Main Engine & Auxiliary machinery and equipment makers, marine coating Experts are invited to **contribute** unpublished papers on the theme and sub themes. Participants intending to present papers are requested to submit abstracts by the e-mail. Intimation regarding acceptance of the abstract will be sent to your mail id. The selected papers will be published in the souvenir and might be published in the MER journal of the Institute of Marine Engineers. Technical paper may include the following areas of interest & topics:

1. Promotion of Ship Building, Ship Repair and Ship Recycling.
2. Effect to become top Seafaring Nation with Education, Research & Training.
3. Development of Port infrastructure - Transition to Smart & Sustainable Practices
4. Marine Policy and Governance: The challenges in developing effective marine policies and regulations
5. Greenhouse gas fuel intensity (GFI), Emission management in shipping.
6. Use of Z N Z fuels: Ammonia, Hydrogen, Bio fuels and other Alternative Fuels.
7. India's Global Stature in innovations and maritime Collaboration.
8. Fast-track Maritime Dispute resolution and Arbitration
9. Development of Indian maritime insurance sector
10. Safe, Sustainable & Green Maritime Sector
11. Untapped opportunities in Inland Waterways & Coastal Shipping
12. Dredging industry – Growth and Sustainability
13. Logistics Efficiency & Cost Competitiveness
14. India as a Global Hub for Cruise Tourism.
15. Adoption of advanced technologies – Digitalization and Autonomous ships.
16. Marine Robotics and Artificial Intelligence in marine industry.
17. Use of Underwater Vehicles (AUVs) and Drones in marine industry.
18. Marine Security and Piracy - need for enhanced security measures.
19. Maritime Logistics - supply chain optimization, containerization.
20. Blue Economy - sustainable use of oceans
21. Advanced applications of Marine Biotechnology.
22. Maritime Energy Transition,
23. India as a Global design hub Data Analytics and Predictive Modelling
24. Underwater Acoustics and Communication.
25. Marine Cyber Security and prevention of Piracy.
26. Emerging Materials and Marine Coating Technologies
27. Marine Litter and Plastics and prevention of Pollution
28. Advanced marine propulsion systems
29. Absorption of carbon dioxide and heat by Oceans.
30. Empowerment of the of women in Maritime Sector.

Guidelines for paper presentation

- The time allotted for each paper presentation is about 20 mts.
- All selected papers will be printed in the souvenir and also likely to be published in Marine Engineers Review journal.
- Last date for receiving papers is 1st Nov.2025
- Acceptance of the paper by the Technical Committee will be intimated by 30 Nov 2025.
- The approved papers which cannot be presented in Seminar will be published in the souvenir.

Sponsorship & Supporters:

For Platinum Supporters 8 free delegates, full page colour advertisement in Souvenir and slot for periodic LED display.

1. Gold Supporters 7,00,000/-: 6 free delegates, Full page colour advertisement in Souvenir and slot for LED display
2. Silver Supporters 5,00,000/-: 4 free delegates, full page colour advertisement in souvenir
3. Special Supporters 2,00,000/- : 2 free delegates and a full-page colour advertisement in Souvenir.

Advertisement in Souvenir

- | | |
|--|----------------|
| 1. Back outside Cover Full page Colour | Rs. 1,00,000/- |
| 2. Front inside Cover Colour Full page | Rs. 80,000/- |
| 3. Back inside cover Full page Colour | Rs. 60,000/- |
| 4. Inside Full page Colour | Rs. 50,000/- |
| 5. Inside Half page Colour | Rs. 30,000/- |
| 6. Inside Full page Black & White | Rs. 30,000/- |
| 7. Inside Half page B & W | Rs. 20,000/- |
| 8. Banner display at the seminar Venue | Rs. 20,000/- |
| 9. Rate for Exhibition space (Size: 3 m x 3 m) | Rs. 50,000/- |

Details of the Souvenir

- Souvenir will be released during the inaugural function - Size: 21cm x 27.5 cm. with print area 18cm x 22cm.
- Printing process will be by Offset Printing in four colours.
- Authors and their organizations are invited to support by way of advertisement in the souvenir.

Bank Details & Payments

The Institute of Marine Engineers (India)
A/C No. 009694600000450
The YES BANK Branch - 096
IFSC Code: YES800000096, MICR. 682532002
1st Floor, Puthuran Plaza
KPCC Junction, M.G. Road
Kochi - 682011

Convention Venue

Vivanta Ernakulam, Marine Drive, Kochi
Accommodation at Venue
(Delegates desiring accommodation in hotels may please intimate in advance)
NB: any change in Venue/ date will be intimated

Address for Communication

Mr. N. RAJAN, Convener, COMARSEM 2026,
The Institute of Marine Engineers (India),
Kamalam Towers, Narayananasan Road
Ponnuruni, Vyttila, Kochi, Kerala 682019
Mob: 8129852288, 7025159111
comarsem@gmail.com

Advisory Board

Mr. Madhu S Nair, CMD, Cochin Shipyard Ltd
Mr. J. Senthil Kumar, P.O., MMD, Kochi.
Chairman, Cochin Port Authority.
Mr. Loknath Behera, IPS(Ret'd.) M.D., KMRL Ltd.
Mr. Arun Sharma, C&MD, IRS.
Mr. Praveen Thomas Joseph, CEO, DP World, Kochi.
Mr. Antony Prince, President & CEO, SEDS, Kochi.
Mr. Rajeev Nayyar, President, IMEI()

Welcome to Kochi

Kochi known as the Queen of Arabian Sea is a vibrant city situated at south west coast of scenic Kerala State, hailed as the "God's own country". From time immemorial the Arabs, British, Chinese, Dutch and Portuguese have left indelible mark in the history and development of this small coastal state. Kochi has preserved many historic remains and monuments adding to its glory. Kochi is the industrial capital of Kerala and is proud of its sea ports, container terminals, LNG terminal, Shipyard, world class international air port, Metro Rail and Water Metro net work. Kochi is connected to interior tourist attraction centres by rail, road and river transport. Several grades of hotels and Restaurants serving delicious food at affordable rates are available in and around the city.

About the organizer:

The Institute of Marine Engineers is a premier body of marine engineering professionals of India. We have more than 13,000 members, many of the serving in India and overseas in key positions. The head quarters is in Mumbai and eight branches function at different locations in India. The Institute actively provides facilities to enhance knowledge of the members and extends a wide range of services encompassing from professional growth to welfare of members. The objectives of IMEI are to promote the scientific development of Marine Engineering, enable marine engineers to exchange ideas and information. To uphold the status of Members, to co-operate with other institutions, Classification societies and industry and the furtherance of education in engineering.

About the COMARSEM 2026

COMARSEM, Cochin Marine SEMinar is periodically conducted by the Kochi Branch of The Institute of Marine Engineers India. COMARSEM-26 is an international seminar being organized in January 2026. This mega event will bring eminent stake holders from various fields of maritime industry under one umbrella in National & International level. This event will host panel discussions, technical presentations, and interactive sessions on the theme **"Maritime India – Innovations and Collaborations"** and deliberate on the progress of Indian maritime industry and explore the possibilities of adopting suitable strategies to fulfil our dream of becoming one of the Maritime Superpowers. The event will feature, focused panel discussions, addressing key themes such as establishing a superior technology baseline, involving non-traditional stakeholders, accelerating greener technology adoption, innovative training methodologies and establishment of maritime cluster to cop up with the emerging challenges indigenously. These discussions will foster cross-industry collaboration, drawing insights from both Indian and international stakeholders, while exploring the financial and technological pathways required to achieve these ambitious targets.

India's Maritime Strength and Advantages .

1. India with a coastline of approximately 7517 km, is strategically located on the world's shipping routes.
2. Being a part of the world's busiest trade route elevates the economic prominence of India's maritime sector. About 95% of India's foreign trade and 70% of its total trade in terms of value takes place through seaways.
3. India is home to 12 major ports, over 200 other ports, 30 shipyards and a comprehensive hub of diverse maritime service providers.
4. India has one of the largest merchant shipping fleets among the developing countries and is ranked 20th in the world.
5. During the last financial year, the country's major ports have demonstrated substantial enhancements in their crucial operational metrics. They have efficiently managed increased cargo volumes and expedited loading and unloading processes, resulting in quicker ship turnaround times.
6. India's maritime sector is poised for a significant transformation following the unveiling of a comprehensive roadmap at last year's Global Maritime India Summit organised by Ministry of Ports, Shipping & Waterways with FICCI as the Industry partner.

7. The substantial potential of the maritime sector can serve as a crucial driver in propelling the economic trajectory towards achieving a self-reliant India by 2047.
8. The Amrit Kaal Vision 2047, outlined by the Ministry of Ports, Shipping & Waterways, expands upon the objectives set forth in the Maritime India Vision 2030. It strives to elevate ports to global standards while advancing inland water transport & coastal shipping and fostering sustainable practices within the maritime sector.
9. The percentage of Indian seafarers in the global shipping industry is expected to rise to 20% within the next ten years

Areas of Interest

1. Promote Domestic Ship Building, Repair & Recycling
2. Enhance India's Global Stature & Maritime Cooperation
3. Lead the World in Safe, Sustainable & Green Maritime Sector
4. Become Top Seafaring Nation with World Class Education, Research & Training.
5. Innovation and Emerging Technologies in the Maritime Sector
6. Untapped opportunities in Inland Waterways & Coastal Shipping
7. Focus on development of Dredging industry.
8. Boost stakeholders' confidence in Maritime Financing.
9. Develop Port infrastructure - Transition to Smart & Sustainable Practices
10. Logistics Efficiency & Cost Competitiveness
11. Enhance Ease of Doing Business & Operational Efficiency through Technology.
12. Strengthen Policy & Institutional Framework.
13. Become a Global Hub for Cruise Tourism
14. Enhance Cargo & Passenger Movement in Inland Waterways & River Sea vessels
15. Development of Indian maritime insurance sector
16. Clean energy fuels: Establishing Hydrogen and Alternative Fuel Centers.
17. Adoption of advance technologies – Digitalization and Autonomous ship

Shri Sarbananda Sonowal Unveils Green Hydrogen Pilot Project at VOC Port, Tamil Nadu



Union Minister for Ports, Shipping and Waterways, **Shri Sarbananda Sonowal**, inaugurated the country's first port-based green hydrogen pilot project at V.O. Chidambaranar (VOC) Port in Tamil Nadu on 5th September 2025.

Developed at a cost of ₹3.87 crore, the 10 Nm³/hr facility will produce green hydrogen to power streetlights and an electric vehicle charging station in the port colony, making VOC Port the first Indian port to generate green hydrogen.

In addition, the Minister laid the foundation stone for a pilot Green Methanol Bunkering and Refuelling Facility with a capacity of 750 m³ and an investment of ₹35.34 crore. The project, aligned with the proposed Coastal Green Shipping Corridor between Kandla and Tuticorin, is expected to position VOC Port as a major green bunkering hub in South India.

Highlighting the government's maritime vision, Shri Sonowal said, "Under the dynamic leadership of Prime Minister Shri Narendra Modi ji, we continue to make new strides towards achieving our goal of becoming one of the world's Top 10 shipbuilding nations by 2030 and Top 5 by 2047."

Several other projects were also launched, including a 400 KW rooftop solar power plant that takes VOC Port's total rooftop solar capacity to 1.04 MW—the highest among Indian ports—and a ₹24.5 crore link conveyor connecting Coal Jetty-I to the stack yard, enhancing handling efficiency by 0.72 MMTPA. The foundation stones were also laid for a 6 MW wind farm, a ₹90 crore multi-cargo berth, a 3.37 km four-lane road and the Tamil Nadu Maritime Heritage Museum.





Shri Sonowal underscored Tamil Nadu's maritime growth under the Sagarmala programme, noting that Chennai, Kamarajar, and VOC ports have seen 98 projects worth ₹93,715 crore initiated over the past 11 years, with 50 already completed. *"More than ₹16,000 crore has been invested in these ports for modernization and capacity enhancement. This is unique growth,"* he said.

On the occasion, the Minister also paid homage to freedom fighter V.O. Chidambaranar on his 154th birth anniversary and expressed gratitude to the people of Tamil Nadu and Thoothukudi for their support. *"Whatever projects we are adopting here, we are able to*

complete them on time because of the people's trust and cooperation. This is how the ministry is functioning—with speed, scale, and commitment to India's growth," Shri Sonowal remarked.

The event also witnessed the signing of MoUs between VOC Port and IPRCL for rail connectivity to the Outer Harbour Project and with NTPC for implementing green mobility initiatives. Shri Sonowal was accompanied by **Shri T.K. Ramachandran**, Secretary, MoPSW, along with senior officials from the Ministry and the Government of Tamil Nadu.



Shipping Corporation of India Inducts Second Very Large Gas Carrier ‘Shivalik’



The Shipping Corporation of India Ltd. (SCI), a premier public sector enterprise under the Ministry of Ports, Shipping and Waterways, has strengthened its LPG transportation capacity with the induction of its second Very Large Gas Carrier (VLGC), Shivalik.

The newly acquired vessel, built in South Korea and bearing IMO number 9356892, has been renamed after the Shivalik mountain range of the Himalayas. With a cargo carrying capacity of 82,000 CBM, Shivalik measures 225 meters in length overall (LOA), 36 meters in breadth and 22 meters in depth.

Classed with both DNV and the Indian Register of Shipping (IRS), the vessel ensures adherence to the highest international safety and environmental standards, thereby enhancing operational efficiency and minimising risk.

Commenting on the induction, SCI officials stated, “The addition of VLGC Shivalik significantly augments SCI’s and India’s LPG transportation capability, ensuring secure and efficient movement of vital energy supplies between the Persian Gulf and India.”

Union Minister of Ports, Shipping and Waterways **Shri Sarbananda Sonowal** congratulated SCI on its achievement.

This induction follows closely on the heels of the VLGC Sahyadri, which joined the SCI fleet on 14th August 2025. Both vessels, each with a capacity of 82,000 CBM, were acquired under a Memorandum of Agreement signed on 4th July 2025. With the addition of Shivalik, SCI now operates three VLGCs within its diversified fleet.

As of today, SCI’s fleet comprises 58 owned vessels, aggregating 5.26 million DWT across multiple categories, including Crude Oil Carriers, Product Tankers, Bulk Carriers, Cellular Container Vessels, LPG Carriers and Offshore Vessels.

The induction of Shivalik is in line with the Government of India’s Maritime Amrit Kaal Vision 2047 and Maritime India Vision 2030, reflecting SCI’s commitment to strengthening India’s energy security, advancing Atmanirbharta in shipping and enhancing the nation’s global maritime competitiveness.

Union Minister Shri Sarbananda Sonowal Announces 60-Year Land Lease for Assam at Colaba, Mumbai

In a significant boost to Assam's development journey, Union Minister of Ports, Shipping and Waterways, **Shri Sarbananda Sonowal**, announced the allotment of a land parcel at Colaba, Mumbai, to the Government of Assam. The Mumbai Port Authority (MPA) has leased four bighas of prime land to the state for a period of 60 years, enabling the creation of essential public infrastructure with long-term benefits for citizens.

The decision comes in response to a formal request from the Chief Secretary of Assam, seeking land for a dedicated centre to serve healthcare, educational and social welfare needs. With this allotment, the Government of India has reaffirmed its commitment to support Assam in delivering people-centric projects across critical sectors.

Speaking on the occasion, Shri Sonowal said, *"This is a people-first initiative. By making this land available to the Government of Assam for 60 years, we are enabling the creation of critical infrastructure that will serve generations to come. Located at the heart of Mumbai in Colaba, this will fulfil the long-standing aspiration of the people of Assam to have a facility in Mumbai that caters to patients, students and entrepreneurs alike."*

The Minister further noted that he had personally spoken to Assam Chief Minister **Dr. Himanta Biswa Sarma**, who welcomed the decision as a vital step in Assam's growth story. Dr. Sarma expressed deep satisfaction and termed the allotment a milestone in the Centre's continued support for improving the lives of people from the state.



Officials indicated that development plans for the land are under consideration, with a focus on high-utility infrastructure – ranging from healthcare and education facilities to welfare centres and incubation spaces for entrepreneurs. The long-term lease ensures flexibility for sustainable planning and execution.

Underscoring the broader vision behind the initiative, Shri Sonowal said, *"Prime Minister Narendra Modi ji has always emphasised that the Northeast must become a powerhouse of growth, driven by the empowerment of its people. Today's decision is another step towards realising that vision of an inclusive and sustainable Atmanirbhar Northeast. With Mumbai as India's financial hub, this land will also give entrepreneurs from Assam access to opportunities in the maximum city."*

The newly allotted land is expected to add fresh momentum to Assam's development trajectory, strengthening links between the state and India's financial capital while ensuring benefits at the grassroots level.



**THE MOST PROMISING
MARITIME TRAINING INSTITUTE**

**RANKED GRADE A1
(OUTSTANDING)**

D. G. Shipping Approved Course

**Basic Training for Ships using Fuels covered
within IGF code Course Id - 5311**

Course Dates:

**27th Oct 2025 / 10th Nov 2025 / 24th Nov 2025
/01st Dec 2025 / 15th Dec 2025**

5 Days

**COURSE FEE
RS. 15550/-**

[Click Here to Book Now](#)

For any queries:



training@imare.in



022 2770 1664 & 27711663



8454847896



**IMEI HOUSE, Plot No.94, Sec-19, Nerul,
Navi Mumbai - 400 706**

Visit: <https://imare.in/>

A Lifetime of Excellence in Maritime Leadership



Shri Kanaiyalal Maneklal Sheth, Chairman, Great Eastern Shipping Company Limited and a stalwart of India's maritime industry, has been honoured with the prestigious 2025 Barclays Private Clients Hurun India – Lifetime Achievement Award at the Excellence in Family Business Awards 2025.

Guided by his visionary leadership, Great Eastern Shipping has emerged as one of the most respected names in the Indian shipping sector, setting benchmarks in foresight, operational strength and global

competitiveness. His unwavering commitment, integrity and pursuit of excellence have shaped a legacy that continues to inspire the nation's maritime journey.

This recognition is a true testament to Shri Sheth's lifelong contribution to the Indian shipping industry. The Institute of Marine Engineers (India) conveys its heartfelt congratulations to him on this well-deserved honour, acknowledging his invaluable role in advancing India's maritime sector.

Enhancing Efficiency & Optimization of Logistics & Supply Chain Management in Ports



Abstract:

This study focuses on optimizing logistics and supply chain management within ports to improve operational efficiency in key areas like berth allocation, container handling, and intermodal transport. Ports are a vital part of global trade, and inefficiencies can lead to delays, higher costs, and a loss of competitiveness. The research uses advanced optimization techniques, including mathematical modelling and machine learning for predictive analytics, to address these challenges. Simulation models are employed to evaluate different strategies under various operational scenarios, offering insights into the trade-offs between cost, time, and service quality. The findings, validated by case studies from major global ports, show significant improvements in port throughput, reduced idle times, and better synchronization with hinterland logistics. The research offers practical solutions for port authorities, logistics managers, and policymakers, emphasizing the potential for creating resilient and sustainable supply chain operations.

Keywords: Maritime transport, Global trade, Port optimization, Supply chain management, Smart ports, Increasing efficiency of ports

Introduction:

Maritime transport accounts for nearly **90% of global trade by volume** and **80% by value**. There are approximately 5,000 commercial ports worldwide, ranging from major hubs like the Ports of Shanghai and Singapore to thousands of smaller ports that serve local and regional needs. As global trade expands, ports face significant challenges that can impact their efficiency, including rising cargo volumes and the need to adapt to new technologies and environmental regulations. Optimizing port logistics and supply chain management is therefore crucial for maintaining efficiency, reducing costs, and ensuring a smooth flow of global trade.

Discussion:

Improving ports and supply chain management presents several key challenges.

- **Capacity Constraints:** Increased trade volumes can cause congestion at ports, leading to longer wait times for ships and a buildup of containers. Many ports also have outdated infrastructure that cannot handle the size of modern mega-container ships.
- **Technological Challenges:** Integrating advanced technologies like **automation**, **IoT** (Internet of Things),

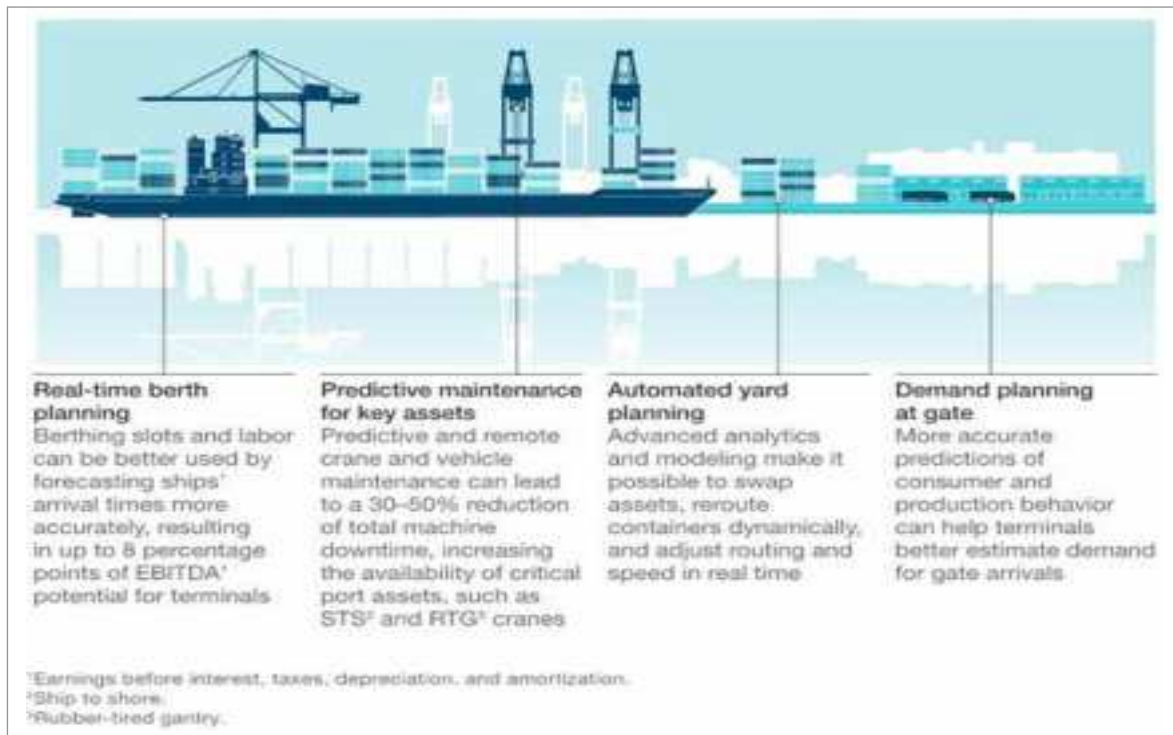


Figure 1:Source:McKinsey & Company (The future of Automated Ports)

and AI can be difficult, especially for ports with older infrastructure. This digitalization also introduces new risks, such as cybersecurity threats.

- **Supply Chain Disruptions:** Ports are critical nodes in complex global supply chains, and disruptions elsewhere, such as in manufacturing or transportation, can have a cascading effect on port operations. The reliance on **Just-In-Time (JIT)** inventory practices further increases pressure to minimize delays.
- **Competition and Globalization:** Ports face intense competition and must continually invest in technology to remain efficient and cost-effective. Fluctuations in global trade also make it difficult to effectively plan and distribute resources.
- **Logistical Coordination:** Coordinating the transfer of goods between different modes of transport (ships, trucks, trains) is challenging, and poor intermodal connectivity can result in delays and higher costs.

To enhance port efficiency, several modern techniques can be implemented. These include:

- **Automation and Robotics:** Automated container terminals use robotics and automated cranes to manage cargo with minimal human intervention, improving speed and accuracy.

- **Data Analytics and AI:** Predictive analytics can forecast cargo flows to reduce congestion, while AI algorithms can optimize operations like berth allocation and crane scheduling.
- **IoT and Real-Time Tracking:** IoT sensors on containers and equipment provide real-time data on location and condition, enabling proactive management.
- **Blockchain Technology:** This can be used for smart contracts and secure data sharing, improving transparency and reducing paperwork.
- **Digital Twin Technology:** Creating a virtual model of the port allows for simulating scenarios and evaluating changes before they are implemented.





Figure 2:Source:IBEF

- **Collaborative Port Community Systems (PCS):** These integrated platforms allow all stakeholders to share information and collaborate in real-time, improving coordination.

The benefits of these supply chain optimization techniques include reduced surplus inventory, lower logistics costs, and improved customer service. They also lead to better **resiliency** and predictability in managing risks and ensuring business continuity.

In the Indian port sector, challenges like limited infrastructure and high logistics costs can be addressed through strategic solutions.

- **Capacity Constraints:** Expand port infrastructure and modernize facilities to handle increased capacity.
- **High Logistics Costs:** Reduce costs by improving port efficiency and investing in technology and rail/road connectivity.
- **Inefficiencies:** Streamline bureaucratic processes, reduce red tape, and implement online portals and automation to expedite operations and increase transparency.

Conclusion:

Port optimization is a balancing act that combines **technology**, such as AI and automation, with the crucial human elements of communication and collaboration. By fostering partnerships among port authorities, shippers, and local stakeholders, we can create more resilient and adaptive systems. The focus should be on addressing the unique challenges of each port while prioritizing **sustainability** and reducing environmental impact. Ultimately, improving ports and supply chains is about connecting the world more effectively, ensuring a seamless flow of goods, and doing so in a way that

benefits both the planet and the people who depend on this vital infrastructure.

Acknowledgements:

1. Supply chain management - Wikipedia
2. Port - Wikipedia
3. Key Research Issues in Supply Chain & Logistics Management: 2030 By/ IIMMUMBAI[<https://iimmumbai.ac.in/files/Research-Report-on-Key-Research-Issues-in-Supply-Chain-and-Logistics-Management-2030.pdf>]
4. UNCTAD's review of maritime Transport 2023[<https://unctad.org/webflyer/review-maritime-transport-2023>]
5. Lloyd's List 2021 of the challenges facing global ports as trade volume grow [https://lloydslist.maritimeintelligence.informa.com]
6. MDPI Journal of Marine Science and Engineering [JMSE | Free Full-Text | Innovation in Smart Ports: Future Directions of Digitalization in Container Ports (mdpi.com)]
7. Logstar Terminal Operation System[Smart Ports: Leveraging IoT and AI for Enhanced Operations – Logstar Terminal Operation System (logstarerp.com)]
8. What is Supply Chain Optimization? Definition and FAQs | HEAVY.AI
9. <https://unctad.org/publication/review-maritime-transport-2023>

About the Author

Shaik Feroz Ahmed (S 35837) is currently serving as a Junior Engineer (JE) at MSC Shipmanagement Limited. He holds a Bachelor of Technology (B.Tech) degree in Marine Engineering.



The Institute of Marine Engineers (India)

CONTACT DETAILS

For General Queries:

(Except Courses, TAR Book, Membership and MER / iMélange):
The Institute of Marine Engineers (India) "IMEI House"
Plot No. 94, Sector-19, Nerul, Navi Mumbai – 400706, India
Phone: +91 22 2770 1664, +91 22 2770 6749
E-mail: hgs@imare.in

For Training/Admission:

Training Programmes:

The Institute of Marine Engineers(India) "IMEI House "
Plot No. 94, Sector-19, Nerul, Navi Mumbai – 400 706, India.
Phone: 022 – 27711663 / 27701664
Mobile No.: +91 – 9967875995 | E-mail: training@imare.in

For Membership Queries:

The Institute of Marine Engineers(India) "IMEI House"
Plot No. 94, Sector-19, Nerul,
Navi Mumbai – 400 706, India
Phone: +91 22 2770 1664, +91 22 2770 6749
E-mail: membership@imare.in

Send your Articles to:

The Institute of Marine Engineers(India) "IMEI House"
Plot No. 94, Sector-19, Nerul,
Navi Mumbai – 400 706, India
Tel.: +91 22 2770 1664 | Fax: +91 22 2771 1663
E-mail: editormer@imare.in / subeditor@imare.in

For iMélange Queries and Articles:

The Institute of Marine Engineers(India) "IMEI House"
Plot No. 94, Sector-19, Nerul,
Navi Mumbai – 400 706, India
Tel.: +91 22 2770 1664
E-mail: editornewsletter@imare.in / subeditor@imare.in



IME(I) House, Nerul, Navi Mumbai