

December 2022

iMélange

The eMagazine of IME(I) Members



EVOLVING MARITIME WORLD FOR
GREENER & SUSTAINABLE FUTURE



SHRI. BHAGAT SINGH KOSHIYARI
Hon. Governor of Maharashtra

SHRI. SARBANANDA SONOWAL
Union Cabinet Minister of Ports, Shipping and Waterways & the Cabinet Minister of AYUSH

DR. SANJEEV RANJAN IAS
Secretary, Ministry of Ports, Shipping and Waterways

SHRI. AMITABH KUMAR IRS
Director General, Shipping

DR. MALINI SHANKAR IAS (Retd.)
Vice Chancellor Indian Maritime University

MR. ARSENIO DOMINGUEZ
Director, Marine Environment Division, IMO



Dear Readers,

At the onset, I would like to extend a warm welcome to all our esteemed Members and would like to express my gratitude for your overwhelming response to the first edition of iMélange.

Victor Hugo, the French poet, and novelist had prophesied "**Nothing is more powerful than an idea whose time has come.**" iMélange is one such idea and we are thrilled to note that it has hit off well with the readers.

Editor's Note

Sunil Kumar

Honorary Editor, iMélange



The inaugural issue of iMélange was formally released on the 18th of November 2022 by none other than **Shri. Sarbananda Sonowal**, the Union Cabinet Minister of Ports, Shipping and Waterways and the Cabinet Minister of AYUSH in the Government of India. The dignitaries on the dais included **Dr. Sanjeev Ranjan** – IAS, Secretary – Ministry of Ports, Shipping and Waterways & **Shri. Amitabh Kumar** – IRS, Director General of Shipping. INMARCO 2022 formed the perfect backdrop for the launch of iMélange

.INMARCO 2022 – the flagship quadrennial international maritime conference and exhibition was hosted by The Institute of Marine Engineers (India) Mumbai Branch along with its Navi Mumbai & Gujarat Chapter. It was the eleventh in the series of INMARCOs organised by the IME(I).

His Excellency **Shri Bhagat Singh Koshiyari**, Honourable Governor of Maharashtra was the Chief Guest at the inaugural ceremony of INMARCO 2022 which was held from 17th to 19th November 2022 at Hotel Sahara Star, Mumbai. The efforts of the Maritime Sector to reduce the Greenhouse Gas emissions through cooperation with all stakeholders was applauded.

Director General of Shipping in association with IME(I) organized a thematic conference titled 'Green Shipping Conclave' alongside INMARCO 2022. **Mr. Ottar Ostnes**, Director General, Department of Maritime Policy, Norway. **Mr. Arsenio Dominguez**, Director, Marine Environment Division of International Maritime Organisation also graced the mega event which was well participated by all quarters of the maritime industry internationally. Lloyd's Register has been engaged to issue a report on 'Green Shipping Conclave' and we shall keep our readers posted about it.

INMARCO 2022 also had a Students Session which was inaugurated by Shri. Amitabh Kumar which constituted a remarkably interesting Technical Paper Presentations and a unique Model Making Competition. **Dr. Malini Shankar, IAS** (Retd.) & Vice Chancellor – Indian Maritime University was the Chief Guest of Students Session – Panel Discussion on "Just Transition in Maritime Sector".

For the benefit of our readers, we have captured glimpses and defining moments of INMARCO 2022 in this INMARCO special edition of iMélange.

From this edition onwards, we are bringing to you a new experience of reading wherein iMélange can now also be explored as a feature rich **Flip-Mag**. You can **read** articles, **view** albums, **see** videos, **listen** to audios, **share**, comment and **interact** on multiple platforms like **LinkedIn, WhatsApp, Facebook, Twitter, Pinterest, Instagram & more!**

It has been rightly said, "**A reader lives a thousand lives before he dies**". So folks, happy reading and hoping you shimmy shake your way into 2023!

Also, let me remind that members and their loved ones can share their interesting anecdotes, travelogues, celebration of festivities, passion, enriching articles, jokes & trivia, personal achievements, coverage of noteworthy events & conferences, photography, artwork, cartoons, poetries, etc. So, do dash off you inputs to editornewsletter@imare.in by 7th Jan'23, for them to be included in our Jan'23 issue.

Happy reading!

A stylized, handwritten signature in dark ink, likely belonging to Sunil Kumar, the Honorary Editor. The signature is fluid and cursive, with a long horizontal stroke at the end.

iMélange

eMAGAZINE OF THE INSTITUTE
OF MARINE ENGINEERS (INDIA)

Administration

Office IMEI House
Plot No. 94, Sector - 19, Nerul,
Navi Mumbai 400 706.

Tel. : +91 22 2770 16 64

Fax : +91 22 2771 16 63

E-mail : editornewsletter@imare.in

Website : www.imare.in

Editor

Sunil Kumar

Editorial Board

Vijay Jain

S.M. Rai

Ramesh Vantaram

Jagmeet Makkar

Hrishikesh Narasimhan

Krishnamurthy Balaji

Rashmi Tiwari (Sub-editor)

Disclaimer:

Papers and articles have been included in this Journal largely as submitted, with basic editing and formatting only, and without technical peer review.

The Institute of Marine Engineers (India) does not take any responsibility whatsoever for any statements and claims made in these papers and articles for the quality, accuracy and validity of data presented or for any other contents. Inclusion of papers, articles, and advertisements does not constitute any form of endorsement whatsoever by The Institute of Marine Engineers (India).

Published and Edited by:

Sunil Kumar on behalf of The Institute of Marine Engineers (India). Published from 1012 Maker Chambers V, 221 Nariman Point, Mumbai - 400 021.

E-Published by :

Read-Rewards.com

E: inspire@read-rewards.com

M: +91 - 777 004 111 8

Design and Layout:

IMAGERIA

E: prerana@imageria.in

M: +91 - 96 99 99 03 00

Facilitated by :

Event-Exchange

E: events@edu-exchange.org

M: +91 - 841 99 555 55



03

EDITOR'S INSIGHT

06

DGS - INMARCO - 2022 : GREEN SHIPPING CONCLAVE

08

INMARCO - 2022 : INAUGURATION & HIGHLIGHTS & DEFINING MOMENTS

11

D.G. SHIPPING - INMARCO : PANEL DISCUSSIONS

16

STUDENTS SESSIONS

20

TECHNICAL SESSIONS

24

STUDENTS SESSIONS : WRITE UP WITH DEFINING MOMENTS

29

WHITE PAPER & OUTCOME

30

CEO'S FORUM

31

POLICY MAKER'S FORUM

32

MESSAGE BY OUR PRIME MINISTER

33

GLIMPSES & GLORIES

37

INDUSTRY UPDATES & NEWS

39

CELEBRATIONS

CONTENTS



The Mumbai Branch of the Institute of Marine Engineers (India) along with its Navi Mumbai & Gujarat Chapter held its flagship prestigious quadrennial three-day event INMARCO 2022 from 17th to 19th November 2022 at Hotel Sahara Star, Mumbai.



DGS - INMARCO Green Shipping Conclave

The Theme of the Conference was “Evolving Maritime World for Greener and Sustainable Future” and it also provided for deliberation on all issues presently being faced by the maritime industry. “D.G. Shipping - INMARCO Green Shipping Conclave” was inaugurated by Governor of Maharashtra, His Excellency, Shri. Bhagat Singh Koshiyari. He expressed his pleasure that awareness about the environment is gaining momentum in the maritime sector. He was hopeful that the Green Shipping Conclave will act as a catalyst to bring a major shift in the shipping industry towards reduction of Greenhouse Gas emissions. Highlighting climate issues affecting the planet, he called for a balance between development and environment and was confident that the technocrats and the entire maritime sector would do their best to reduce greenhouse gases and protect humanity.

Earlier at the conference venue he inaugurated the maritime exhibition where over 40 exhibitors representing Class Societies, Training Institutes, Ship Management Companies, Shipyards, Paint makers, Unions, Logistics & Service Providers, and several other companies displayed their marine related products and services to the industry.

Shri. Vijendra Kumar Jain, President, IME(I) and Shri. Arun Kumar Gupta, Chairman, IME(I) Mumbai Branch extended a warm welcome to all the delegates and the participants.

Introducing the conference Shri. Amitabh Kumar, Director General of Shipping emphasized the importance of environment protection and role the shipping industry can play to help the planet. Theme chosen for the conclave is relevant and topical in the current situation. He assured that the Directorate General of Shipping is making efforts to become paperless, adopting to digitization and are working towards creating ease of doing business for seafarers and other stakeholders.

He also felicitated Mr. Ottar Ostnes, Director General Department of Maritime Policies, Norway and Mr. Arsenio Dominguez, Director, Marine Environment Division, International Maritime Organization (IMO), for gracing the occasion.

Setting the tone for the conference, Shri. Ajith Sukumaran, Chief Surveyor to the Government of India briefly outlined issues currently being discussed at the Marine Environment Protection Committee of IMO and how the Indian maritime sector is preparing to face the challenges.

Four very important sessions were conducted under the Conclave on the opening day, covering:

- 1. Green Fuels for Maritime India and India as a Bunker destination for alternative fuels** - Chaired by Shri. Vijay Arora, Managing Director, Indian Register of Shipping.
- 2. Construction of Green Ships and Green technological Solutions for existing ships including Carbon Capture** - Chaired by Shri. Madhu Nair, Chairman & Managing Director, Cochin Shipyard Ltd.



3. **Green Ports, Availability of Shore Power and the Green Corridors** - Chaired by Shri. Rajeev Jalota, IAS, Chairman of Mumbai Port Authority and Chairman of Indian Ports Association.
4. **International Co-operation for Green Technology & Green Finance** - Chaired by Shri. Kumar Sanjay Bariar, Additional Director General of Shipping.

All four sessions were widely discussed, deliberated and debated by the panelists with active participation of the audience. A summary was made by the chair.

Mr. Arsenio Dominguez, Director, Marine Environment Division, International Maritime Organization (IMO) speaking on the occasion praised the Indian government's efforts towards green shipping and IME(I) for organizing the Conclave.

On the second day Cabinet Minister for Ports, Shipping and Waterways **Honourable Shri. Sarbananda Sonowal** addressed the participants highlighting progress made in various sectors including in Shipping under the visionary leadership of Prime Minister Shri. Narendra Modi. India's Maritime Sector has a glorious history and has played a very important role in India's economic growth. In the last 8 years, we have focused on port-led development which includes expanding port capacities and infrastructure making port operations more efficient. Transportation by Waterways is being facilitated to ensure Indian products get access to new markets. Our maritime sector has scaled new heights and contributed to the enhancement of global trade. Praising Green Initiatives, he reiterated focus on making shipping industry Carbon Neutral by 2050. He commended Cochin Shipyard for INS Vikrant, as a glorious example for ATMA NIRBHAR BHARAT.

After two days of deliberations, the closing ceremony of INMARCO 2022 saw two sessions of deliberations at the CEO forum and Policy-Maker's forum chaired by Shri. Amitabh Kumar, IRS, DG Shipping and Dr. Sanjeev Ranjan, IAS, Secretary to Government of India, Ministry of Ports, Shipping and Waterways respectively. At these forums it was acknowledged that success to Green Shipping and Green Policy finally rests with the initiative and commitments from those who would translate them at ground level successfully and to a sustainable level. CEOs and Heads of companies agreed that Availability of competitive technologies and affordable financing would be crucial to attain goals of Green Shipping and hoped for governmental support and guidance.

Summing up the entire conclave, Dr. Ranjan said, "There was great learning for all of us and the challenge of Green Shipping holds a hidden opportunity." He emphasized that sustainable development is a way of life in India. He declared proudly that the ground is set, and we are fully prepared and urged all to work together and achieve the goals.



Write-up by :
S. M. Rai



Inauguration of the Exhibition at INMARCO - 2022 by Shri. Bhagat Singh Koshiyari, Hon. Governor of Maharashtra.



Lamp Lighting ceremony by Shri. Bhagat Singh Koshiyari, Hon. Governor of Maharashtra, Shri. Amitabh Kumar, IRS, D.G. Shipping, Mr. Arun Gupta, Chairman IME(I) Mumbai Br., Mr. Vijendra Jain, President IME(I) & Mr. Rajeev Nayyar, Chairman, INMARCO 2022



D.G. Shipping Shri. Amitabh Kumar honoured by Mr. Arun Gupta



Mr. Sunil Kumar, Head Student Committee welcomes Dignitaries & Delegates to INMARCO - 2022



Student Lead welcomes Dr. Malini Shankar, IAS (Retd.), Vice-Chancellor of Indian Maritime University



Mr. Ottar OSTNES, Director General, Department of Maritime Policy, Norway is presented with a Memento by Shri. Amitabh Kumar



Gratitude Memento presented to Shri. Sarbananda Sonowal, Union Cabinet Minister of Ports, Shipping and Waterways and the Cabinet Minister of AYUSH by Mr. Arun Gupta



Shri. Bhagat Singh Koshiyari and Mr. P. K. Jha, Group MD & CEO, MSC - Cyprus inaugurating the MSC stall at the Exhibitors Pavilion



Gratitude Memento presented to Shri. Bhagat Singh Koshiyari by Shri. Amitabh Kumar



8



Student Delegates at INMARCO - 2022 with Mr. Sunil Kumar, Head - Students Committee



Mr. David Birwadkar, Convener INMARCO 2022 welcoming delegates



Signing of the **MoA** between **The Energy and Resource Institute (TERI)** and **V. O. Chidambaranar Port Authority** (formerly Tuticorin Port Trust), **Paradip Port Authority**, **Deendayal Port Authority** and **Cochin Shipyard Limited** under the leadership of **Shri. Sarbananda Sonowal**, **Dr. Sanjeev Ranjan** & **Shri. Amitabh Kumar** co-supported by **Shri. Rajesh Kumar Sinha**, Additional Secretary (MoPSW), **Dr. T. K Ramachandran** - Chairman, V.O. Chidambaranar (VOC) Port Authority, **Shri. Sanjay K. Mehta** - Chairman, Deendayal Port Authority, Kandla, **Shri. P. L Haranadh** - Chairman, Paradip Port Authority, **Shri. Madhu S Nair** - Chairman & Managing Director, Cochin Shipyard Ltd., **Dr. Vibha Dhawan** - Director General, TERI.





PANEL DISCUSSION : GREEN FUEL FOR MARITIME INDIA





PANEL DISCUSSION : GREEN SHIPS & GREEN TECHNOLOGY SOLUTIONS IN INDIA





PANEL DISCUSSION : GREEN PORTS, SHORE POWER, JIT-GREEN CORRIDOR





PANEL DISCUSSION : INTERNATIONAL CO-OPERATIONS FOR GREEN TECHNOLOGY & GREEN FINANCE







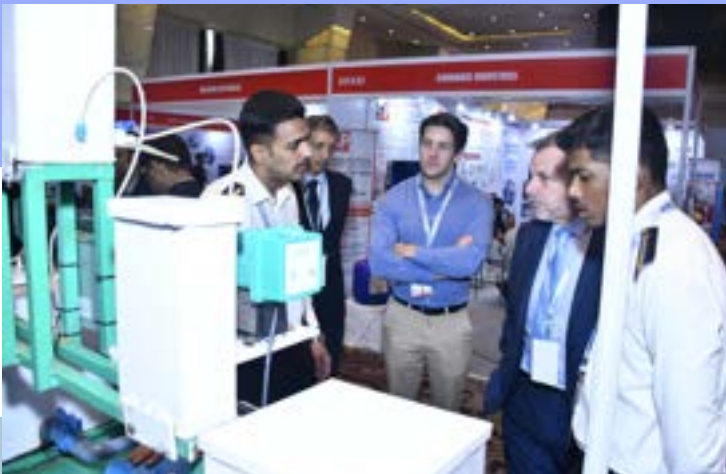


STUDENTS SESSION



PANEL DISCUSSION





TECHNICAL SESSION



HIGHLIGHTS



Technical Session	DR. L. K. PANDA EX NA	MR. SUNIL KUMAR
Title	Chairperson	Coordinator
Green Initiatives for Ports and Inland/Coastal waterways		
Paper Title	Authors	
Natural Gas as a Sustainable Option for Inland Waterways – Challenges and Opportunities in India	Mr. Asim Prasad C.G.M. - (GAIL)	Dr. Anita Kumar Director - CIISL
	Mr. Ranjit Deka C.M.(Mrktg. Gas) (GAIL)	Dr. Niti Nandini Chatnani Professor (IIIT)
Renewable Energy Options for Future Greener Seaports	Dr. S. Thangalakshmi Faculty – Electrical, School of Marine Engineering and Technology (IMU-Chennai)	Dr. Rajoo Balaji Director (IMU-Chennai)
Green Initiatives in Inland and Coastal Transportation	Mr. Shane Balani Principal Surveyor & Business Development Manager, South Asia - Lloyd's Register Asia	Ms. Shilpa W. Bali Faculty - GEIMS
Green Energy Initiatives at JNPA	Mr. Niteen M Borwankar Chief Manager MEE - JNPT	

Technical Session	MR. C P K KASHYAP	MR. MOHAN PAL SINGH
Title	Chairperson	Coordinator
Alternative Fuels, Green Corridors		
Paper Title	Authors	
Alternative Fuels and Technologies for Decarbonization– A Preliminary Analysis	Mr. Sudarshan Daga Surveyor I (IRS)	Mr. Karan Doshi Senior Surveyor (IRS)
	Mr. Somesh Gupta Surveyor I (IRS)	Mr. Dipak Sonawane Senior Surveyor (IRS)
Potential Challenges of Hydrogen as a Fuel for International Maritime Transport	Dr. S. Thangalakshmi Faculty – Electrical, School of Marine Engineering and Technology (IMU-Chennai)	Dr. Rajoo Balaji Director (IMU-Chennai)
The Applicability of Bio Fuel as a Marine Fuel	Mr. Partha Das Regional Operations Manager (Asia) – FOBAS Lloyd's Register Asia	
Identifying and Implementing Green Corridors in Shipping	Mr. Shane Balani Principal Surveyor & Business Development Manager, South Asia - Lloyd's Register Asia	



Panel Discussion	MR. ARSENIO DOMINGUEZ	MR. P. K. MISHRA
	Chairperson	Coordinator
INTERNATIONAL DEVELOPMENTS IN MARITIME SECTOR WRT GHG AND DECARBONISATION		
Panelists		
Mr. Tristan Smith UMAS, UCL	Ms Astrid Dispert Project Technical Manager, IMO, (PARTNERSHIPS & PROJECTS)	
Mr. Ennarasu Karunesan Advisor to Indian Ports, JNPA, MUMBAI.	Mr. Sachin Kulkarni Head – Marine Power Sales (South Asia) WARTSILA INDIA PVT. LTD.	





Technical Session	MR. RICHARD DE VRIES AREA MANAGER SAMEA, LRS	MR. KARTHIK SEETHARAMAN (IRS)
Title	Chairperson	Coordinator
Technological advancements, Digitalization and Autonomous Ships		
Paper Title	Authors	
Digitalization, Using IoT, real-time condition monitoring, Big Data and AI for improving vessel efficiency and performance forecasting	Mr. Prashant Hinduja Head – Delivery	Mr. Joy Basu Smart Ship Hub Digital Pte Ltd.
Renewable Energy Options for Future Greener Seaports	Mr. Sumithran Sampath General Manager ClassNK	Mr. Junji Tokunaga Technical staff of Research Institute - ClassNK
How can Technology close the gap between Ship at sea to shore	Mr. Maninder Singh Manager – Digitalization Vedam Design & Technical Consultancy Pvt Ltd	Mr. Tomoaki Yamada Manager of Research Institute ClassNK
Autonomous and Remotely Operated Vessels	Mr. R. Srinivas Vice President & Senior Principal Surveyor (IRS)	

Technical Session	CAPT. ASHOK MAHAPATRA UA CONSULTING	MR. SHISHIR KUMAR
Title	Chairperson	Coordinator
Marine Environment and Maritime Safety		
Paper Title	Authors	
Fires in cargo areas onboard containerhips – An analysis of accidents	Mr. Karan Doshi Senior Surveyor IRS	
Importance of the concept of Seaworthiness	Dr. Brijendra K. Saxena (Ex. Principal Tolani Maritime Institute)	
Marine Environment- The challenges of Marine Plastic Litter	Ass. Commandant Aman Jugran Indian Coast Guard	
Demystifying Human Factors & Integrating in Management Systems	Dr (Capt) Suresh Bhardwaj Resident Director & Principal MASSA Maritime Academy Chennai	



Panel Discussion	MR. ARUN KUMAR GUPTA	MR. SANJEEV MEHRA
Hall 1 Time : 14:00 - 15:30	Chairperson	Coordinator
MARITIME POLICIES, DEVELOPMENT OF MARINE INFRASTRUCTURE FOR INLAND WATERWAYS AND COASTAL SHIPPING		
Panelists		
Mr. H V Ramesh IRS	Mr. Mahesh Korade Deputy Marine Engineer cum Chief Surveyor, MMB Maharashtra Maritime Board	
Capt. Anil Kishor Singh CEO, Adani Hazira Port	Mr. Subhakar Dandapat Former Chief Engineer(Project & Marine) IWA, Ahmedabad	





	MR. N. GIRISH IRS	MR. MAHESH SUBRAMANIAN IMU, CHENNAI
Title	Chairperson	Coordinator
Ship building, Product Lifecycle Management and Ship Recycling		
Paper Title	Authors	
Radiated Noise Control in Indigenous Ship Building- Design Requirements for Strategic Advantage	Cdr. A Sanjayan Commander (Marine Engg) at IHQ MoD(N)/ DME, Indian Navy	
Product Lifecycle Management (PLM) in Shipyards –An essential step in Digital Transformation towards Shipyard 4.0	Commander S Gopi Krishna IN (Retd.), Centre of Excellence in Maritime and Shipbuilding CEMS	
Sustainable growth of Ship Recycling capacity in India	Mr. Vikram Purohit Senior Ship Recycling Specialist Lloyd's Register Asia	Mr. Shobhit Kapoor M&O Operation Manager South Asia West Lloyd's Register Asia
Compliant & Sustainable Ship Recycling	Mr. Rohit Agarwal CEO - Guideship Consulting Services	

	MR. J. DASGUPTA	MR. VIVEK DIWAKAR PRASAD
Title	Chairperson	Coordinator
Decarbonisation efforts - Energy efficiency, Net Zero emissions and Carbon Capture		
Paper Title	Authors	
Sea Trial Analysis with The Aid of Numerical Assessment for Existing Ships	Mr. Sharad Dhavalikar Principal Surveyor I (IRS)	Mr. Ramkumar Joga Surveyor I (IRS)
	Mr. K. Shanmukha Srinivas Asst. Surveyor I (IRS)	Mr. Himanshu Uppal Senior Surveyor (IRS)
EEXI and CII compliance with Becker's energy saving devices Mewis Duct* and Twisted Fins	Mr. Castagna Alessandro Becker Marine Systems GmbH, Hamburg, Germany	Dr. Joseph Prabhu Surveyor - IRS
Technological Advances in Shipboard Carbon Capture – An Overview	Mr. Sobhith Komalavally Hariharan Sustainability Manager American Bureau of Shipping	
Linking the Zero-Emission Value Chain – Liquid Hydrogen Carrier	Mr. P. Koutsourakis Principal Surveyor & Business Development Manager, South Asia - Lloyd's Register Asia	
	Mr. H. Daiyan Sustainability Manager American Bureau of Shipping	Mr. I. Soultanias Managing Principal American Bureau of Shipping





Technical Session	CAPT. M. P. BHASIN MSC	MS. ARCHANA SANGAL
Title	Chairperson	Coordinator
Seafarers' welfare, Human Element and Training		
Paper Title	Authors	
Gender Diversity and Retention of Seafarers	Ms. Parnita Rasal Psychologist Anglo Eastern Maritime Academy	
Human Factor in Shipping	Mr. NMC Nair (Fellow Member -Institute of Marine Engineers (India)) ClassNK	
Seafarers' welfare, Human element & Training	Mr. Mani Ganapathi Ramachandran Head of Quality system & Management Representative Hindustan Institute of Maritime Training	
Training for Autonomous Vessels: A Paradigm Shift	Mr. Sanjeev Vakil Founder and CEO Hindustan Institute of Maritime Training	

Technical Session	REAR ADMIRAL CS BABURAJ UA CONSULTING	MR. AMIT BHATNAGAR
Title	Chairperson	Coordinator
Maintenance of Ship & Machinery		
Paper Title	Authors	
Condition Monitoring System - Advanced Insights into the health of Diesel engines	Mr. Uday Purohit Founder Neptunus Power Plant Services Pvt. Ltd	Mr. Narendra Kumar Sr. Manager - Engineering Neptunus Power Plant Services Pvt. Ltd
Prediction of Wave Bending Moment for a Ship at Site and Route	Mr. Anant Ajithkumar Assistant Surveyor, IRS	Mr. Amresh Negi Principal, Tolani Maritime Institute
Ballast Water Filters: Factors affecting the efficacy of filtration -Sediments	Mr. M. Subramanian GM - ESG and Projects Anglo-Eastern Ship Management	Dr. Suhas Vhanmane Principal Surveyor, IRS
	Dr. Sanjeet Kanungo Principal Tolani Maritime Institute	Dr. K. Sivasami Associate Professor and HOD (ME) Indian Maritime University
Ultrasonic Anti Fouling System	Lt. Cdr. Mohit Dey Deputy HoF (Projects) INS Shivaji, Indian Navy	



INMARCO 2022, as in the past, provided a platform for students from MTIs across the country to display their knowledge and skills, in the form of Technical Paper presentation competition and Model making competition. The Students Sub Committee constituted of :

Students Session

- **Mr. Sunil Kumar** (CTO and Head Training & Assessment, Great Eastern Shipping) - **Head**
- **Mr. Mahesh Subramanian** (General Manager (ESG & Projects), Anglo Eastern Shipping) - **Co-Head**
- **Mr. Rajesh Doshi**, Promoter Director of Dwarka Kutchh Ferries & Tourism - **Member**
- **Cdr. Gaurav Agarwal** (Retd), Ex General Manager MDL - **Member**
- **Mr. Jasjeet Suri** (HOD - Marine Engineering, Chitkara University) - **Member**
- **Mr. Vivek Prasad** (Training & Assessment Manager, Great Eastern Shipping) - **Member**



The Students Session was inaugurated by Shri. Amitabh Kumar, IRS, DG Shipping. In his Inaugural Address, the DG Shipping said that the students had joined the maritime industry when it was at a crossroads. He amplified that with present measures in place, the stiff GHG reduction targets for 2030 and 2050 set by IMO would not be met, as Alternate Fuels were to be deployed at the rate of 5% per year already, but clarity on the Alternate Fuels was still missing. Participation in the Green Conclave and the other sessions of the INMARCO would enrich the students, open vistas of opportunities and show case to the world the amount of talent India has today and could produce in the future. He ended his address by exhorting the students to never stop their quest for knowledge.

Thereafter Mr. Mahesh Subramanian flawlessly conducted the Students Technical Paper session. The six best papers, of the 44 papers received, were presented. Each team was grilled by the Judges on all aspects of their paper.

Three eminent maritime industry veterans constituted the panel of Judges for the paper presentation and model making. They were :

- **Mr. Vikram Gokhale** (Deputy Director Training, IMEI).
- **Mr. Lalatendu Acharya**, Director Vedam Design).
- **Dr. K Sivasami**, Associate Professor & HOD (Marine Engineering), Indian Maritime University Chennai Campus.



The post lunch session saw a panel of distinguished personalities discussing Just Transition – Maritime (Alternative Fuels). The Panel Discussion was ably chaired by Dr Malini V Shankar, IAS (Retd), Vice Chancellor, Indian Maritime University. The panelists included the following:

- **Dr K Pandurang Raut**, DDG Shipping.
- **Capt. KN Deboo**, Principal & Director, Anglo Eastern Maritime Academy.
- **Mr. Amit Khare**, General Manager (Marine Sales & Service), Alfa Laval.
- **Mr. Rajiv Biswas**, Founder Blue Ridge Marine.
- **Capt. Ashwini**, DPA & CSO MR/MA, Shipping Corporation of India.



The Panel Discussion was followed by a Q&A session, in which the students asked a number of penetrating questions. The panelists (and the Chair) replied to all questions patiently, informatively and with an encouraging approach. The main concern of the cadets regarding loss of jobs due to technological advancements was also addressed adequately. All in all, it was an extremely professional discussion, skillfully kept relevant and on course by the Chair.

One of the main takeaways was the requirement for continuous learning, upskilling / reskilling at every level. Micro credit courses by IMU for meeting such industry technological needs had already commenced.

Global transition of shipping towards reducing GHG emissions will involve the introduction of measures and policies which will impact the maritime workforce. Seafarers will, for example incur additional training to handle new low- to zero-carbon fuels, as well as adjust to working on zero- or low-emission vessels and meeting the additional requirements this may encompass. These are a part of the broader spectrum of considerations to achieve a truly just transition.

In the ensuing panel discussion, technology options were covered in detail including LPG, LNG, Ammonia, Methanol, Hydrogen and their relative costs, safety, storage, infrastructure etc. The need to enhance capability across the entire fuel supply chain, especially so in the case of shore staff, was underscored. Faculty training was a major concern. The need to involve locally available expertise within the Indian shipping industry was also brought out. All stakeholders agreed that each had a role to play and teamwork was required to meet the numerous challenges head on. Research and development had commenced to ensure that India kept ahead of the technology curve with respect to Alternative Fuels.

Technical Paper Competition Winners :

	Winner	1st Runner Up	2nd Runner Up
Institute	IMU Kolkata Campus	IMU Kolkata Campus	IMU Kolkata Campus
Topic	Harnessing Tidal Energy	Comprehensive Insight into Smart Ships and Digital Twins	Future Fuels and Renewable Sources of Energy
Cadets	Raghav Dhaka Rustam Raj Anna D.M. Yash Mukherjee	Sourin Karmakar Ritvik Kumar Wamiq Asrar	Arkya Baishya Parthib Dutta Pradyot K Maiti B Ajay Sreeram

Model Making Competition

	Winner	1st Runner Up	2nd Runner Up
Institute	Anglo Eastern Maritime Academy, Karjat	Anglo Eastern Maritime Academy, Karjat	IMU Kolkata Campus
Model	Dual Axis Solar Tracker	Hybrid BWMS	Water Waste Collector
Cadets	Ragib Akhter Sharvaree Chitree Varun Darbari Yash Mohite	Vaibhav	Parth Mehta Arka Parbat Asmit Raj Saurabh Kumar

The prizes were given away by the Chief Guest Dr. Malini V Shankar. In her address Dr Shankar said that it was extremely encouraging to see a Students Session in the INMARCO, and in the coming years it should become as major an event as the main Technical Session. She exhorted the students to keep learning, learning and learning. The INMARCO was an excellent example of Academia – Industry partnership, and the days of academia and industry working in silos was over. Good results could well be expected from this guiding / mentoring by industry, and the whole maritime ecosystem working together.

The cadets felt that the INMARCO introduced them to the ecosystem of shipping and the probable technological advancements in the near future. They returned with invaluable knowledge and a delightful experience from the exposure to the shipping industry provided at INMARCO 2022.

-(With inputs from Cdt. Rustam Raj, IMU Kolkata Campus)



Write-up by :

Cdr. Gaurav Agarwal (Retd.)
Ex. General Manager, MDL



IMO Mock Session 2022 (MEPC Segment) Winning Team from Anglo Eastern Maritime Academy proudly holding the IME(I) shield - with Capt. K. N. Deboo, Mr. T. Bhamra, Dr. Malini Shankar IAS (Retd.), VC, IMU, Mr. Arun Gupta, Chairman, Mumbai Branch of IME(I) and Mr. Anil Sharma



IMO Mock Session 2022 (MSC Segment) Winning Team from IMU Kolkata proudly holding the DMECA shield with Dr. Malini Shankar and Mr. Uday Purohit, President DMECA.



**FIRST PRIZE : MODEL MAKING COMPETITION
WON BY ANGLO EASTERN MARITIME ACADEMY**



**FIRST PRIZE : TECHNICAL PAPER COMPETITION
WON BY INDIAN MARITIME UNIVERSITY, KOLKATA**



**FIRST RUNNER UP
STUDENTS MODEL MAKING COMPETITION**

Won by Anglo Eastern Maritime Academy, Karjat



**FIRST RUNNER UP
STUDENTS TECHNICAL PAPER COMPETITION**

Won by Indian Maritime University, Kolkata



**SECOND RUNNER UP
STUDENTS MODEL MAKING COMPETITION**

Won by Indian Maritime University, Kolkata



**SECOND RUNNER UP
STUDENTS TECHNICAL PAPER COMPETITION**

Won by Indian Maritime University, Kolkata



**WHITEPAPER ON INDIAN COASTAL GREEN SHIPPING – DNV
OUTCOME REPORT OF THE GREEN CONCLAVE - LR**





CEO FORUM

Chaired by Shri. Amitabh Kumar
IRS - Director General of Shipping

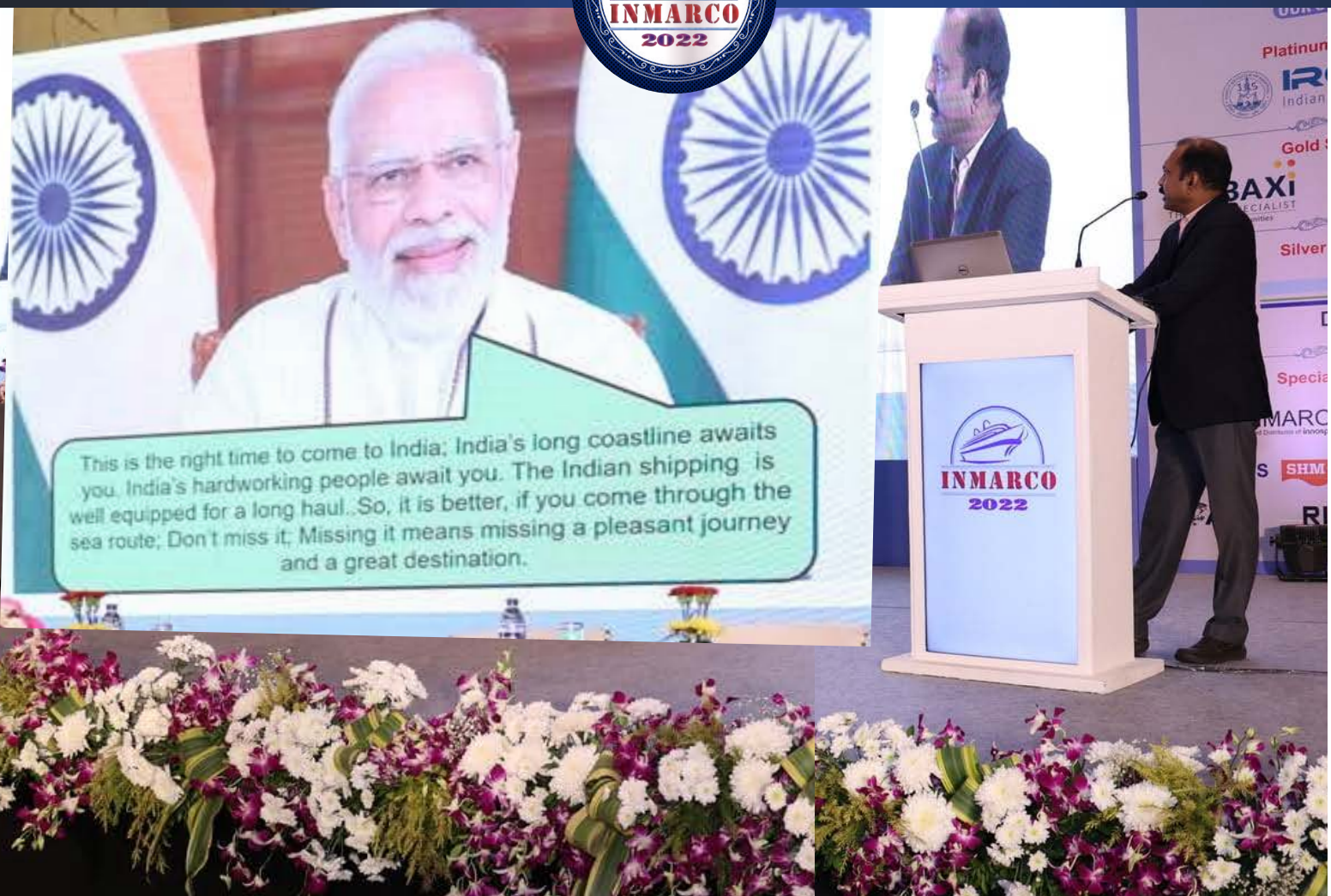




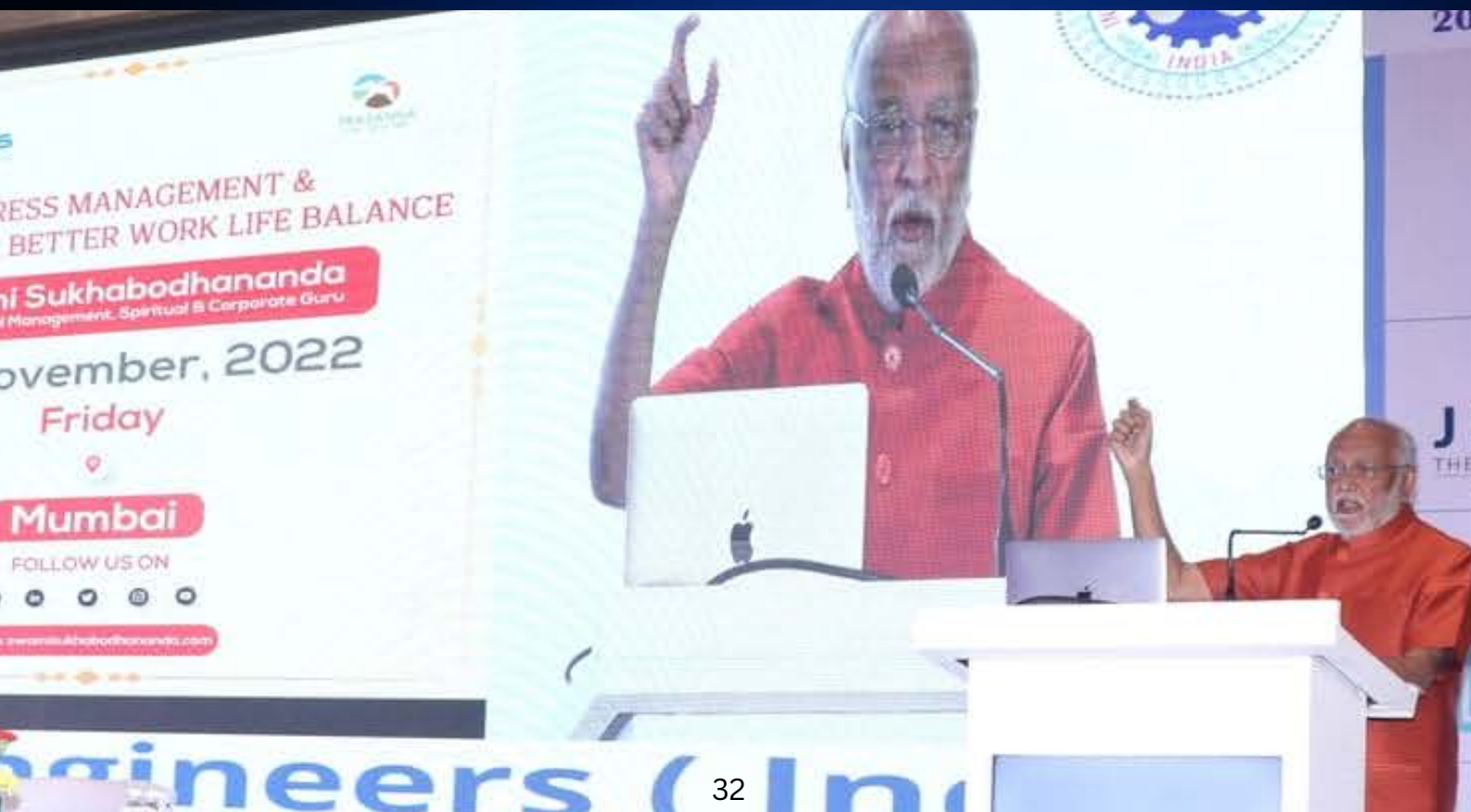
POLICY MAKERS FORUM

Chaired by Dr. Sanjeev Ranjan
IAS Secretary - Ministry of Ports, Shipping and Waterways





A session by Swami Sukhabodhananda on Stress Management





Members of Governing Council of IME(I)
at INMARCO 2022



Exhibitors' Pavilion



Exhibitors' Pavilion





The Institute of Marine Engineers (India)

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

Tel: +91 – 9967875995/ 9773363542 / 9594204403/ 022-27711663

Email: training@imare.in. Website: www.imare.in

REGISTRATION OPEN FOR Following DGS APPROVED COURSES (Online)

- Basic Training for Ships using Fuels covered within IGF code Course Id – 5311 (OFFLINE) (5 Days) – Commencing soon
- Assessment, Examination and Certification of Seafarers Course Id – 1062 (OFFLINE) – (11 Days) Commencing soon
- Advanced Training for Ships using Fuels covered within IGF code Course Id – 5312 (OFFLINE) – (6 Days) - Commencing on December 2022
- MEO CL I (FG) : 2- months course (OFFLINE) - 2nd January 2023 / 1st March 2023 / 2nd May 2023 (followed by Simulator course) Discount on combined bookings of Class I Course with Simulator
- MEO CLASS III (NCV_SEO) Upto 3000kW – STCW 2010: 2 month course (OFFLINE) – 1st March 2023 / 1st July 2023
- MEO CL. III (NCV_SEO) Part-A - STCW 2010: 2-month course (OFFLINE) – 2nd January 2023
- MEO CL. III (NCV_SEO) Part-B - STCW 2010: 4-month course (OFFLINE) – 1st March 2023
- MEO CL. IV (NCV) - STCW 2010 -4 months course (OFFLINE) – 2nd January 2023
- MEO CL. II (FG): 4-month Course (OFFLINE) – 2nd Jan. 2023 / 1st Feb.2023 / 1st March 2023 / 1st April 2023 / 2nd May 2023 (Discount on combined bookings of Class II Courses with Simulator)
- REFRESHER & UPDATING TRAINING (RUT – 3 DAYS) COURSE FOR REVALIDATION OF COC FOR ALL ENGINEERS AND ETOs (OFFLINE) Course Id – 1118 – 21st Dec. 2022/ 2nd January 2023/ 16th January 2023/ 30th January 2023
- Basic Training for Ships using Fuels covered within IGF code Course Id – 5311 (OFFLINE) (5 Days) – Commencing soon
- ENGINE ROOM SIMULATOR MANAGEMENT LEVEL (3 DAYS) COURSE FOR MEO CLASS I (OFFLINE) – 29th Dec. 2022
- ENGINE ROOM SIMULATOR OPERATIONAL LEVEL (3 DAYS) COURSE (OFFLINE) – 15th Dec. 2022
- MEO CL. IV(FG) non mandatory course (2months duration) – On request
- 2 weeks Induction course for Naval candidates – 2nd January 2023
- Familiarisation Training Course For Liquefied Natural Gas (LNG) Tanker Operations (Online) -

For
Payment:
Visit www.imare.in
— Use the option
“Buy Online”
to pay the
course fee

NOTE: Payment can be done through the ICICI Bank (IFSC Code: - ICIC0000151) on A/C No.015101031872 in the name of “The Institute of Marine Engineers (India)” only after confirming the availability of seats.

Please make the payment from saving bank account only not from NRI / NRE account

For enquiries
contact on
training@imare.in

For Registration of Competency Courses: <https://forms.gle/DBvLuEarFpbk3aqX9>

For uploading the Documents – Mail your documents on documents@imare.in after putting all documents in one pdf file

For Registration of Modular (RUT/ERS) Courses:
<https://forms.gle/D5mcvmMJkZAvLDvo9>

Features:
Experienced Faculty,
Individual Attention

We are overjoyed & proud of
**Shri. Ajithkumar
Sukumaran,**

a Fellow of the IME(I), as he has been elevated to the post of Chief Surveyor - cum - Additional Director General of Shipping (Engineering) with the Govt. of India.

Shri. Sukumaran is a Mechanical Engineer from TKM College of Engineering, Kollam and did his post-graduation in Maritime operation and management from IIT, Kharagpur. He is serving Directorate General of shipping for the last over two decades and leads Indian delegations to Marine Environment Protection Committee (MEPC) and Maritime Safety Committee (MSC) at IMO London. He is a Member of Academic Council of Indian Maritime University also.

Congratulations!



**Shri. Ajithkumar
Sukumaran
promoted as
Chief Surveyor - cum
-Additional Director
General of Shipping
(Engineering)**

*Wishing him immense success in
all his endeavours!*



WE CARE

ENGAGING | EMPOWERING | INSPIRING

Setting the standard

 ANGLO-EASTERN

Industry Updates

SHRI. SUDHANSHU PANT DESIGNATED SECRETARY SHIPPING



Shri. Sudhanshu Pant, IAS, 1991 batch from Rajasthan Cadre has been designated to take over as Secretary, Ministry of Ports, Shipping and Waterways from 1st January 2023 with the Superannuation of Current Secretary Dr. Sanjeev Ranjan, IAS. Shri. Pant holds a B.Tech (Hons), degree from IIT Kharagpur.

In the early years of his service, he has served as Collector & District Magistrate in districts of Rajasthan and also as Chairman & Managing Director of the State Power Transmission Corporation, Power Distribution companies and the State Renewable energy Corporation. He has been Secretary in the Mines and Petroleum Dept. in the Government of Rajasthan besides having worked as Commissioner of Jaipur Development Authority. He has vast experience of working in the co-operative sector, heading several co-operative Federations. We welcome him in his new assignment.

CAPT. B. K. TYAGI TAKES OVER AS CMD OF THE SHIPPING CORPORATION OF INDIA



Capt. Binesh Kumar Tyagi has taken over as Chairman and Managing Director of The Shipping Corporation of India Ltd. with effect from 03.09.2022. He takes the honour to be the first, who started his career as a cadet with SCI and rose to occupy the highest office.

He is a well-rounded shipping professional with qualification in Ship operation, Navigation, Chartering, General Shipping Management, Port Development & Management and Law. In his distinguished shipping career spanning over 32 years in SCI, he has held many responsible positions, both while afloat and later ashore before taking over as the CMD.

Capt. Tyagi is IIMA alumni and also member of various professional bodies like ICS (London), CILT, NMIS, Nautical Institute London, CMMI, Institute of Directors etc. Capt. Tyagi is also appointed as Member and Chairperson of ABS India National Committee and Member of the South Asia Committee of DNV GL.

Wishing them immense success in all their endeavours!

Together All the way.

OUR VALUES

Constant Care



Humbleness



Uprightness



Our Employees



Our Name



Industry Leader

Timely Relief and Assignments

Competitive Wages and Benefits

Safe Working Condition

Empowered Frontline

Attractive Workplace

Free Internet Across Entire Fleet



MAERSK IS RECRUITING. Apply today.

THIRD ENGINEER

Minimum 6 months rank experience with COC

FOURTH ENGINEER

Minimum 6 months rank experience with COC

FITTER

Minimum 12 months rank experience

ABLE BODIED SEAMAN

Minimum 12 months rank experience on container vessel

ORDINARY SEAMAN

Minimum 12 months rank experience

SECOND COOK/GENERAL STEWARD/TRAINEE COOK

Minimum 12 months rank experience with COC



Maersk Fleet Management and Technology (I) Pvt Ltd

502 and 503, 5th Floor, Godrej 2,

PiroShah Nagar, Eastern Express Highway,

Vikhroli (East), Mumbai (MH) India 400079

Mail MarineJobs.India@maersk.com

Call +91 22 50492223 / +91 124 6135752 / +91 44 66588335

Web maersk.com

RPS Licence no.: RPSL-MUM-490 Valid upto 31/05/2023



MAERSK



D. G. Shipping Approved IGF COURSES



Basic IGF

Basic training for ships using fuels covered within the IGF code

DURATION

4 DAYS

ELIGIBILITY

- Any seafarer who has completed the four Basic Safety Courses, under STCW Regulation VI/1 and Section A-VI/1.
- Seafarers holding Basic or Advanced Level Gas Tanker Cargo endorsement / COP are not required to undertake this training.

Advanced IGF

Advanced training for ships using fuels covered within the IGF code

DURATION

5 DAYS

ELIGIBILITY

- Seafarer who has completed the four Basic safety courses, under STCW Regulation VI/1 and section A-VI/1 and holds as a minimum a certificate of Proficiency as Watch keeping rating or a Certificate of Competency as an Officer on Watch
- Hold certificate of proficiency for Basic Training for ships using Fuels covered within the IGF Code.

EVERY MONTH

www.himtmarine.com

Master (FG) & Chief Engineer for D. G. Shipping Approved Physical Classes

LOCATION

Chennai & Kalpakkam

BENEFITS

- Flexibility to work on an hourly basis at your convenient time.
- Medical Insurance for self and family.
- Personal accident policy.
- Family accommodation (at Pre-sea campus).
- Sail for a few months and teach for the remaining months.
- Teach any course to your liking from Pre-Sea to Post-Sea Courses.

ADDITIONAL WEIGHTAGE WILL BE GIVEN FOR

- Tanker Experience.
- Prior Teaching Experience.
- Experience in Simulator Training.
- Chief Engineers competent to teach electrical topics.
- Willingness to take both Competency & Revalidation courses.
- Age below 55 years would be preferred.
- Masters/Chief Engineers with no teaching experience and above 55 years can also apply.

SALARY

Salary and Incentives as per Industry Standards

Interested applicants can send a mail to careers@himtmarine.com



SAMUDRA MANTHAN AWARDS 2022

Coveted 9th International Samudra Manthan Awards recognising Gems of the Maritime Sector, organised by the leading publishers of maritime industry, the Bhandarkar Publications, was held on 11th November at the Domestic Cruise Terminal in Mumbai. Award ceremony held every year honour excellence in the maritime sector and acknowledge the contribution made to the Industry.

Shri. Rahul Narvekar, Speaker of the Maharashtra Legislative Assembly graced the occasion as the Chief Guest along with world-renowned Indian music director & flautist Padma Vibhushan, Shri. Hari Prasad Chaurasiya as special guest. Shri. Rajiv Jalota, IAS, Chairman of Mumbai Port Authority (MbPA) was the Guest of Honour. Maharashtra's Upa-Lokayukta Shri. Sanjay Bhatia, IAS (Retd.) was the Chairman of the Award Jury.

Ceremony started with a dance drama highlighting Chhatrapati Shivaji Maharaj's vision of 'Samudra se Samruddhi', the lovely act performed by the kids of Shindewadi Mumbai Public school (Dadar) adopted by Akanksha Foundation.



Shri. Narvekar acknowledged that the awards are well-conceptualised to recognise the contribution and the efforts made by the awardees, for the evolution, development and progress of Maritime industry in India and around the world. Shri. Rajiv Jalota, IAS, Chairman of MbPA in his address complimented the winners and appreciated the efforts of the lead organisers

SAMUDRA MANTHAN AWARDS 2022



At the 'Awards Nite Extravaganza' best in the industry were honoured with the Samudra Manthan Awards.

Awards were bestowed on following in the Shipping Sector:

The Shipping Company of the Year- The Shipping Corporation of India

Shipping Company of the Year- (International): Mediterranean Shipping Company (MSC).

Gender Diversity Award: Maersk Line Fleet Management & Technology Ltd. was specially awarded for their role in Gender Diversity.

The Major Port of the Year (Containers): Jawaharlal Nehru Port Authority (JNPA)

Major Port of the Year (East Coast): Paradip Port Authority (PPA).

The Major Port of the Year (West Coast) : Deendayal Port Authority (DPA) while the Mumbai Port Authority (MbPA) was specially felicitated for initiating many projects to develop infrastructure for water based transport services.

The Non- Major Port of the Year: Adani Port & Special Economic Zone Ltd.

Emerging Non- Major Port of the Year: JSW Jaigarh Port Ltd.

The Terminal of the Year: Adani Ports and Special Economic Zone Ltd. #Technology Provider: Navalt Solar & Electric Boats

Training institute of the Year (Pre-sea): Training Ship Rahaman

Training Institute of the year (Post-Sea): Hindustan Institute of Maritime Training (HIMT)

Ship Owner Manning company: MSC crewing Services Private Limited

Manning Company of the Year: Elegant Marine Services Pvt. Ltd. and Anglo-Eastern Ship Management, India

SHE company of the Year: Seaspan Crew Management Pvt Ltd

SPECIAL CATEGORY AWARDS

Prestigious awards to individuals for their contribution to the sector were awarded to the following

Empowered Women in Shipping : Mrs. Nafeesa Moloobhoy, Managing Director of Moloobhoy Group of Companies in India and in the UAE.

Mentor of Industry: a) Mr. S.M Rai, General Manager (Retd) The Shipping corporation of India and Ex Director (Technical) INSA b) Mr. Dinesh Lal, Director, AMI Logistics India Pvt. Ltd.

Best Ship and Logistic Professional: Capt. B.V.J.K Sharma, Chief Executive officer of the Navi Mumbai International Airport

Late Prof. K.R. Bhandarkar Award for outstanding Services: Mr. Madhu Nair, Chairman and Managing Director of Cochin Shipyard Ltd. for contributing to the maritime industry and trade.

Lifetime Achievement Award: Mr. Natwarlal Popat, Chairman and Managing Director of Velji Dosabhai and Sons Pvt. Ltd.

---- The function was widely attended, concluded with Dinner ---



Need luboil?
Think LUKOIL!



LUKOIL Marine Lubricants

MARINE IN ALL WE DO!

Oceanic Lubes
India Representative for
LUKOIL Marine Lubricants
Tel.: +91 22 2781 0406
Tel.: +91 22 6673 5319
email: oceanic@lukoil.com

Obituary

The Indian Shipping Industry has suffered an irreparable loss with the sad passing away of Shri. Vijay Kumar, former Managing Director, Bharati Defence and Infrastructure Ltd., Mumbai.

In him Industry has lost a highly knowledgeable and innovative technocrat-cum-entrepreneur, whose contribution to Indian Ship Building Industry is unparalleled. He was IIT Kharagpur Graduate and a qualified Naval Architect par excellence.

In 1968 to promote ship building in India, he founded and established Bharati Shipyard Ltd, with expertise in design and ship construction. Due his efforts he could get large export orders too and managed timely deliveries, making a name for the country. He was a strong supporter and pioneer in building friendly and close professional association with the Institute of Marine Engineers (India) and even Chaired the INMARCO INAvation 2010 organised jointly by the Institute of Marine Engineers (India) and the Institution of Naval Architects.



(11 April 1945 to 29 Nov. 2022)

Shri. Vijay Kumar

*Our heartfelt condolences
to the family.
May the departed soul rest
in peace*

MariApps' Electronic Record Books



- Oil Record Book Part 1 & 2 (ORB Part 1 & 2)
- Garbage Record Book Part 1 & 2 (GRB Part 1 & 2)
- Cargo Record Book (Annex II)
- Ozone Depleting Substance Record Book (Annex VI)
- Emission Record Book (Annex VI)
- Ballast Water Record Book
- Biofouling Record Book
- Bunker Sample History Logs
- MARPOL Seal Logs
- Sewage and Graywater Record Book

Type approvals received



BUREAU
VERITAS

ClassNK



Flag approvals received



Compliance
MEPC.312(74) resolution



Secure and Accurate
Increases transparency,
reduces errors



Productivity
Reduces administrative tasks



Centralized database
Access data anytime, anywhere



To know more write to : sales@mariapps.com
www.mariapps.com | www.smartlogs.app

D. G. SHIPPING APPROVED

Extra First Class Course

Distance Learning - Correspondence Course



DURATION

1 YEAR
(2 Semesters)



COMMENCING

Jan 2023



ELIGIBILITY

MARINE ENGINEERING
OFFICER CLASS | CoC

ONE BATCH A YEAR

Semester 1 (Part A)

- A1** Law of the Sea & Maritime Law
- A2** Risk Management & Marine Insurance
- A3** Shipping, Economics & Finance
- A4** Marine Materials & Corrosion of Marine Structures
- A5** Advanced Electrical, Electronic and Control Engineering Knowledge
- A6** Environment Protection & Energy Management in the Maritime Industry

Semester 2 (Part B)

- B1** Maritime Regulations
- B2** Management Techniques & Applications
- B3** Naval Architecture
- B4** Vibration Engineering
- B5** Advanced Marine Engineering Knowledge
- B6** Human Element

Choose any five subjects in each semester.

Course completion: Within 5 years

MEO Class 2

Preparatory Course

1st of every month

Vizag & Chennai

MEO Class 1

Engineering Management

1st of every month

Vizag & Chennai

REO

Revalidation course for
all Engineers and ETO's

Every week

ERS

Engine Room Simulators\Operational Level
MEO CLASS - IV

ERSM

Engine Room Simulators
Management Level -MEO CLASS II

DEC GS

Diesel Engine Combustion
Gas Simulator - MEO CLASS-I

Every month - Multiple batches at Vizag & Chennai

HV

High Voltage Safety and Switch Gear -
Management Level Course

Every month

R-AFF

Refresher
Advanced Fire Fighting

Every Week

R-PSCRB

Refresher Proficiency in
Survival Craft Rescue Boats

Every Week



Hindustan Institute of Maritime Training
Online Booking at www.himt.co.in

MARITIME AUTONOMOUS SURFACE SHIPS (MASS)

The MSC made further progress on the development of a goal-based instrument regulating the operation of maritime autonomous surface ships (MASS). The aim is to adopt a non-mandatory goal-based MASS Code to take effect in 2025, which will form the basis for a mandatory goal-based MASS Code, expected to enter into force on 1 January 2028.

**THE MSC REVIEWED A
NUMBER OF
PROPOSALS FOR NEW
OUTPUTS AT THE
SESSION AND AMONG
MANY AGREED TO
CONSIDER ON
PRIORITY:**

01

Revision of SOLAS regulation V/23 and associated instruments to improve the safety of pilot transfer arrangements, with a target completion year of 2024

02

Revision of resolution A.1050(27) to ensure the safety of personnel entering enclosed spaces on board ships with a target completion year of 2024.

03

Strengthen to work on humanitarian efforts to evacuate all stranded ships and seafarers at sea or in ports including in war zones

04

Revision of the ECDIS Guidance for good practice

 SUSTAINABLE DEVELOPMENT GOALS



MSC PROPOSED REVISIONS



IMO COUNCIL MEET

The 128th session of the Council was held in person at the IMO headquarters supported by hybrid facilities for remote participation from Monday, 28 November to Friday, 2 December 2022, and was chaired by Mr. Victor Jiménez of Spain. After the routine administrative functions, like planning of events for the coming year and budgets, following were discussed:

- On the situation of international shipping and seafarers in the Black Sea and Sea of Azov, taking into account the ongoing military conflict between Ukraine and the Russian Federation, requested the Secretary-General to continue to work on humanitarian efforts to evacuate all stranded ships and seafarers in the conflict area, including efforts to ease sea transportation and expand the Black Sea Grain Initiative to other types of ships and additional ports.
- Invited the Maritime Safety Committee, at its 107th session, to consider possible measures to be taken to address the issue of unlawful launching of Ballistic Missiles without information and propose what action be taken.
- Council appreciated the efforts of the Secretary General for the important Black Sea Grain initiative, as a landmark agreement to help the vulnerable people in every corner of the world at the time of current ongoing conflict in Ukraine.

- Invited the Maritime Safety Committee, at its 107th session, to consider possible measures to be taken to address the issue of unlawful launching of Ballistic Missiles without information and propose what action be taken.
- Council appreciated the efforts of the Secretary General for the important Black Sea Grain initiative, as a landmark agreement to help the vulnerable people in every corner of the world at the time of current ongoing conflict in Ukraine.
- Actively participating in the debates, Head of Indian delegation, Dr. Sanjeev Ranjan, Secretary Ministry of Ports, Shipping and Waterways (MoPSW) said, 'India supports UAE's proposal to include the element of digitisation in the next Strategic Plan as well as the adoption of a maritime single window system as a part of the digitisation initiative, since it will help in resolving the regulatory bottlenecks faced in the maritime industry. Time bound action plans for digitisation should be part of the IMO strategic directions'
- Dr. Ranjan, further emphasised on India's statement at COP 27 that the journey towards a planet safe for humanity is a collective journey to be undertaken with equity with climate justice as our guiding principles. He also put across India's stand that decarbonisation and funding for the same may be included as a separate

strategic direction with the principle of common but differentiated responsibilities and respective capabilities (CBDR-RC) as its cornerstone for the way forward.

- India also appreciated the proposal of UAE on 'Capacity-Building Decade 2021-2030' strategy including the concept of 'no one should be left behind'. "India noted that this element does not appear to be comprehensively absorbed within the ambition of the 8 strategic directions under the existing Strategic Plan. India, therefore, consider this aspect as crucial for the effective usage of financial and technical resources available with IMO through Technical Cooperation Committee's work to assist developing states.
- Council confirmed that the World Maritime Theme for 2023 should be "MARPOL at 50-Our Commitments goes on" and to meet for 129th session in July 2023.

contributed by :
Mr. S. M. Rai.



ANGLO EASTERN MARITIME TRAINING CENTRE

AEMTC MUMBAI: 401, Fourth Floor, Leela Business Park,
Marol, Andheri-Kurla Road, Andheri (East), Mumbai-400 059.
T. +91 22 6720 5600 / 611 / 618 | A.O.H. +91 9820917656
aetr.bom@angloeastern.com
Capt. K. N. Deboo, Mr. Francis Akkara, Mr. Ivor Wilson

AEMTC DELHI: A-101, Dayanand Colony, Lajpat Nagar-4,
New Delhi - 110 024
T. +91 11 2642 6801 / 802 / 2647 2831 / 2647 1129
aetr.del@angloeastern.com
Capt. Prashant Gour, Ms. Sukhjeet Kaur

www.maritimetraining.in

MAN | PrimeServ



ME-C Control System Standard Operation (OEM Approved Course)

FULL COURSE : 19-23 Dec'22
PART II : 15-16 Dec'22

For bookings: PrimeServ.academy-cph@man-es.com
aetr.bom@angloeastern.com

WIN GD

Winterthur Gas & Diesel



Advanced Course UNIC- Controlled X-DF (Dual Fuel) Engines (OEM Approved Course)

December 2022: 05-09

For bookings: +91 22 67205611 / 12 / 18



Wartsila 4-stroke DF Engine

December 2022 : 07-09

Wartsila RT Flex Engine

December 2022 : 12-14

Conducted by Wartsila Switzerland (OEM Approved Course)

D. G. Approved Courses

December 2022

1. Advanced Training for Ships using fuels covered within the IGF Code	12-16
2. Basic Training for Ships using fuels covered within the IGF Code	05-09
3. Engine Room Simulator (Operational Level)	19-21, 27-29
4. Engine Room Simulator (Management Level)	05-09

Value Added Courses

December 2022

1. Advanced Marine Electrical course Module 1 - Practical Marine Electrical (Basic)	12-16, 19-23
2. Advanced Marine Electrical course Module 2 - Practical Marine Electrical (Advanced)	05-07, 19-21
3. Advanced Marine Electrical course Module 4 - Electronics for Marine Engineers	08-09
4. Advanced Marine Electrical Course Module 5 & 6, Instrumentation, Process Control & Programmable Logic Controllers	12-16
5. Bridge Manoeuvring & Engine Control - Operational Level	08-09
6. Bridge Manoeuvring & Engine Control - Management Level	12-14
7. Engine Room Emergency Management	22-23
8. Hydraulics for Engineers - Basic	05-07
9. Machinery Breakdown Safety Campaign - 2	16
10. Maritime Crew Resource Management (MCRM)	05-08, 19-22
11. Maritime Safety Management - Module 1 (Occupational and Behaviour Based Safety)	12-14, 27-29
12. Maritime Safety Management - Module 2 (Risk Assessment)	05, 09
13. Maritime Safety Management - Module 3 (Shipboard Safety Officers)	06, 20
14. Maritime Safety Management - Module 4 (Accident Investigation-2)	07-21



AUTOMATION LAB



ENGINE ROOM SIMULATOR



HIGH VOLTAGE LAB



INSTRUMENTATION LAB



WARTSILA RT FLEX



Gratitude!



THE *Unforgettable*

MOMENTS

