

## Technical Lecture on 'CII – Corrective Action Plan'

The Institute of Marine Engineers (India), Kolkata Branch, held a Technical Lecture on 3<sup>rd</sup> October 2024 at its newly developed Maritime Education & Training Centre. The lecture was delivered by **Shri. Sadhan Kumar Sarkar**, an Executive Committee Member of IME(I) Kolkata Branch and former Director (i/c) of the Marine Engineering & Research Institute, Kolkata. The topic of discussion was the "CII – Corrective Action Plan."



**Shri. Gautam Sen**, Chairman of IME(I) Kolkata Branch, welcomed Shri. Sarkar and provided a brief introduction to the audience.

In his presentation, Shri. Sarkar explained the global challenge of rising temperatures due to global warming and outlined the International Maritime Organization's (IMO) strategies to limit temperature increases to 1.5°C. He discussed key regulatory measures such as the Energy Efficiency Design Index (EEDI), the Energy Efficiency Existing Ship Index (EEXI), and the Carbon Intensity Indicator (CII) ratings.

Shri. Sarkar elaborated on various corrective actions approved by the IMO, including the adoption of alternative fuels, renewable energy sources, and carbon-neutral fuels like ammonia and hydrogen. He also highlighted ways to enhance hull and propeller efficiency. Among the corrective actions, Shri. Sarkar emphasised Engine Power Limitation (EPL) and Shaft Power Limitation (ShaPoLi) as the most practical and immediate solutions for existing ships.

The lecture also touched on Market-Based Measures (MBMs) under review by IMO advisory bodies, which are expected to be implemented soon to help shipowners achieve Net Zero Emission targets.

Despite the inclement weather, the event saw attendance from distinguished guests such as **Mr. Santanu Paul** from the Indian Maritime University, **Mr. Supriyo Bhattacharya** from Eastern Marine Engineers, as well as MEO Class-I candidates from institutions like the Indian Maritime University, Marine Education Charitable Trust, and Hoon Maritime Institute. Several trainee cadets were also present.

The event concluded with a vote of thanks.

