



Sagar Sandesh

Guiding Spirit to Shipping Industry

Maritime Tabloid English Weekly Thrice E - Paper

In association with R L Institute of Nautical Sciences, Madurai, Tamil Nadu. | RNI No. TNENG/2012/41759 | Monday, August 22, 2022 | Voyage 11 Wave 82

Published & Released on Every Monday, Wednesday and Friday



PAGE - 4

Top Women in Maritime



PAGE - 6

Ocean Network Express connects to CargoWise



PAGE - 9

Chattogram Port in Bangladesh emerges as 64 th busiest



PAGE - 12

Port minister hails the contribution of freight



MASSA Academy Chennai inaugurates refurbished Electrical & Electronics Laboratory

MASSA Academy in Chennai inaugurated last week its Refurbished Practical Electrical & Electronics laboratory at the hands of Capt Deepak Correa, COO, Elegant Marine Services, Mumbai.

The refurbished and augmented laboratory has the equipment to enable the following training capabilities:

PLC -

Construction of ladder network, Programming, and HMI. Programming of on-board control panels and simulation(Package boiler, OWS, Purifier, and Sequential start after blackout).

VFD & SOFT STARTER -

Understanding of various types of start-up and speed control methods of motors. Pulse width modulation & Firing of SCR and thruster. Understanding of Electrical propulsion system & Flow controls.

FAULT MODULE STARTERS -

Troubleshooting practice given in various types of starters, understanding of various types of electrical circuits.

DEMO MODULE STARTERS -

Retro fit practice to handle the emergency situation to build own bypass circuit, small control, and power circuit.

TRANSDUCERS (Sensors) -

Familiarisation of types of sensors and testing methods.



Capt Deepak Correa, COO, Elegant Marine Services, Mumbai.

BATTERY -

Types of batteries, Testing, and routine maintenance of the battery.

MOTOR OVERHAULING -

Types of motor, Routine test, and maintenance of motors, Before and After tests to be conducted in the rewind motor. Overhauling of motor, Insulation resistance, and coil resistance test.

TRIP & INTERLOCK COILS OF ACB -

Understanding the arrangement of the protection system and ACB tripping and interlocks.

ELECTRONICS -

Familiarisation of electronic components and testing methods, Soldering and desoldering practice.

PARALLEL OPERATION OF ALTERNATORS & PROTECTION DEVICE TEST -



Practice is given in parallel operation of alternators in various modes and methods, simulation of reverse power, under voltage, overload, preferential trip, over frequency,

HV BAY -

Operation and Maintenance procedure in HV system, Familiarisation of switchgear, measuring device, and special test equipment in HV system on board. Demo and practice are given in 6.6KV HV panel.

While imparting excellent hands-on training to ETOs both fresh and experienced, it will be also used for teaching Marine Engineers undergoing Preparatory courses at the Academy for MEO Class I and II.

MASSA Academy wishes to thank Maersk Training Centre at Chennai who donated the unused Panels which were refurbished and fitted up. This formed part of the developmental works and equipment that augmented the lab.

MASSA Academy Chennai delivers a 5 days Practical Electrical & Electronics Workshop at its academy.