5.1B131

FIRST ELECTRICAL ENGINEER – DUTY & RESPONSIBILITY – Passenger Vessels

Reports to: Chief Electrical Engineer
Supervises: Assistant Electricians.

AREA OF RESPONSIBILITY:
The responsibilities of the First Electrical Engineer will include, but not be limited to:

1. General:
   - Familiar with the Chief Electrical Engineer’s duties and responsibilities as the deputy and act as second-in-command of this department;
   - Shall have a full understanding of the Safety Management System, including his responsibilities in the Safety Organization as per the Emergency Plan.
   - The First Electrical Engineer must have good knowledge of all electrical system onboard.

2. Equipment:
   - Auxiliary and Main Engine Instrumentation and Process Systems (WECS);
   - Propulsion system (Lips/Wichmatic);
   - Automation and Monitoring System (Valmarine);
   - Generators (6,6 KV);
   - Bridge equipment;
   - Main Switchboards HMS (6,6 KV);
   - Thrusters;
   - Steering gear;
   - Hi fog system;
   - Water tight doors w/indication;
   - Air Condition Motors (6.6KV);
   - Transformers;
   - Boilers;
   - Bilge and ballast system;
   - Anti-fouling/impressed current system;
   - Electrical installation works in Engine;
   - UPS / frequency converters and batteries.

3. Administrative / Personnel
   - Assisting the Chief Electrical Engineer with Department budget proposals;
   - Receive electrical deliveries;
   - Training and supervision of new Electricians.

4. Planned Maintenance System:
   - Completing the monthly maintenance routines in correct format and for reporting all completed work in the AMOS system

5. Watch duty:
   - Share of back to back watch with Chief Electrical Engineer;
   - Share of standby with Chief Electrical Engineer.

REQUIREMENT TO QUALIFICATIONS:
- Diploma from a recognized and approved Maritime Technical College or an Advanced Certificate from Maritime / Technical Vocational School or institution, in Marine Electrical Automation Engineering or Electrical Power Engineering or equivalent;
- Certificate of Competency as Marine Electro Automation Officer, Marine Electrical Engineer, Ship’s Electrician or equivalent;
- Additional certificate and qualification in Marine High Voltage Installations.
- Certifications according to STCW 95 Requirement.