Gagandiep Singh Rekhi

MARINE ELECTRICAL ENGINEER

Dehradun, India
gagandiep.s@gmail.com
(+91)9810980957
LinkedIn

Professional Profile

A highly competent professional with a bachelor's degree in electrical & electronics engineering and over 8 years of working experience in investigating and diagnosing technical issues and implementing effective repairs and maintenance routines on all electrical systems and equipment. Adept at conducting quality control inspections and tests to ensure the equipment meets the design intent and is compliant with internal and external standards and regulations. Possesses working knowledge in reading and interpreting technical documentation and conducting engineering practices to ascertain optimum performance and high reliability. A versatile individual, capable of working closely as part of a team with other engineers as well as independently on projects to ensure they are completed successfully from start to finish. Displays excellent communication and organisational skills, works enthusiastically in a cross-cultural team, and can engage confidently at all levels.

Competencies

- Proven leadership skills and experience in working in cross-functional teams
- Strong Communication and experience in working with crew members of different backgrounds
- Excellent critical thinking and problem-solving skills
- Displays analytical and multitasking skills
- Adept at organizing and Planning
- Excellent skills in the English language both written and spoken
- Detail-oriented

Technical Experience

- Proven experience as Marine Electro-Technical Officer (ETO)
- Solid experience with Permit-to-Work Systems, Planned Maintenance Systems, Risk Assessment, and Lockout/Tagout procedures
- Proficient in reading and interpreting technical documents including datasheets, manuals, drawings, and technical publications
- Expertise in preventive & breakdown maintenance, troubleshooting, testing, and calibration of:
  - Electrical machinery: Motors, Rectifiers, Drives, Lighting Systems, etc.
  - Power system: Generators, Switchboards, and associated equipment.
  - Control and Automation systems including PLCs, Distributed Control Systems, and SCADA.
  - Electro-Pneumatic control equipment.
  - Instrumentation equipment.
  - Engine Room Machinery Electrical/ Electronic control circuitry.
  - Radio-Navigation equipment.
  - Housekeeping and Galley equipment.
- Experience with the following maker's equipment on board:
  - Main Engines: MAN B&W ME/MC Engines, Wartsila RT-Flex
  - Power Plant: Daihatsu, Yanmar, Taiyo, Hyundai, STX, Nishishiba, Uzushio Electric, Terasaki
  - Boiler and Inert Gas Systems: ALFA LAVAL, Aalborg, Kashiva, Miura, Feen Marine
  - Cargo Operation Systems: FRAMO Hydraulic system, Steam turbine COP, electrically driven COPs- Nishishiba.
  - Cargo Control and Monitoring Equipment: Emerson-Rosemount, Musasino Tank RADAR.
  - Bridge/ Navigational Equipment: JRC, FURUNO
  - Bow/ Stern Thrusters.

Career Summary

Electro-Technical Officer – *M.T. Gianna* March - April 2025
Oil/ Chemical Tanker, DWT-49,999, UMS Class, Commissioned in 2009 SPP Plant & Shipbuilding, Korea

Electro-Technical Officer - *M.T. Cedar* Jan 2024 - July 2024
Oil/ Chemical Tanker, DWT-158,289.30, UMS Class, Commissioned in 2022 by Daehan Shipbuilding Co. Ltd, Korea

Electro-Technical Officer - *M.T. Golden Dahlia* Feb 2023 - July 2023
Oil/ Chemical Tanker, DWT-34834, UMS Class, Commissioned in 2021 by Fujian Mawei Shipbuilding Ltd, China

Electrical Engineer II - *M.T. Pacific Blue* Feb 2022 - Aug 2022
Oil/ Chemical Tanker, DWT-49500, UMS Class, Commissioned in 2020 by STX Offshore and Shipbuilding Ltd, Korea

Electrical Engineer II – *M.T. Pacific Jasper* Jul 2020 - Mar 2021
Oil/Chemical Tanker, DWT-49700, UMS Class, Commissioned in 2019 by Onomichi Dockyard, Japan

Electrical Engineer I – *M.T. Pacific Quartz* Jul 2019 - Jan 2020
Product Tanker, DWT-47941, UMS Class, Commissioned in 2011 by IMABARI Shipbuilding Japan

Electrical Engineer I – *M.T. Pacific Zircon* Oct 2018 - April 2019
Product tanker, DWT-50015, UMS Class, commissioned in 2013 by Onomichi Dockyard, Japan

Electrical Engineer Cadet – *M.T. Sulu Sea* Oct 2016 - July 2017 & Apr -Aug 2018
Afra-max Crude Oil Tanker, DWT-105522, UMS Class, commissioned in 2005 by Sumitomo Heavy Industries, Japan

Main Responsibilities & Achievements

- Excellent evaluation reports.
- Entrusted with the Management of the Ship's Electrical Department and the training and supervision of Cadets.
- In charge of upgrading, troubleshooting, and maintenance of all Electrical, Electronic, Automation, and Control-and-Instrumentation Systems and equipment onboard.
- Investigating and reporting faults, and giving recommendations concerning upgrades, additions, and changes to the ship's equipment.
- Routinely working with Engineers as part of the Engine Room team conducting preventive maintenance of the Systems and Machineries, Fault Finding, or Corrective Maintenance.
- Equipment and Personal Safety Management: ensuring that all installations, calibrations, and modifications to the electrical/ electronic systems and components are correctly and safely carried out.
- Following all International Regulations and company policies, safety management systems, guiding principles, procedures, and programs; including support processes, health, safety, and environmental requirements.
- Compiling maintenance records and test logs.
- Minimising ship repair costs and ensuring smooth operations by implementing effective engineering practices.
- Requisitioning for spare parts and stores and service work planning and scheduling.
- Regularly inspecting the ship's equipment and machinery for Condition monitoring and hazard identification.
- Ascertaining compliance with internal and external safety policies and regulations, always ensuring the ship's inspection readiness.

Education

Bachelor in Technology - Electrical and Electronics Engineering 2010 – 2014
Maharishi Dayanand University · *Rohtak, India*

Professional Qualifications

- Certificate of Competency as Electro-Technical Officer, Issued by D.G. Shipping- India. (STCW- III/6)
- Advanced Training for Oil Tanker & Chemical Tanker Cargo Operations. (STCW- V/1-1, Table A-V1/1-1-2, A-V1/1-1-3)
- Basic Training for Gas Tanker Cargo Operations. (STCW- V/1-2, Table AV/1-2-1)
- Advanced Fire Fighting, Proficiency in Survival Craft and Rescue Boats, Medical Aid, and Designated Security Duties (STCW 2010, Reg VI)
- 4 Months ETO Pre-Sea Training Course. (STCW Code A-III/6) - July to Oct. 2015