

**RAJ SHEKHAR SINGH**

**raj11shekharsingh@gmail.com**

**rajshekharsingh1190@gmail.com**

**+91-9136172447, +91-9369275160**



## **EXECUTIVE SUMMARY**

- **Senior Electrical Engineer with 7+years of experience** associated with **MRK Powerlines Ltd.** Enjoys being part of a team, as well as managing, motivating and thrives in high pressure and challenging working environments.
- Completed **B. Tech (Electrical & Electronic)** from CMR College of Engineering and Technology, Jawaharlal Nehru Technological University, Hyderabad.
- Review engineering specifications and drawings during development and proposes design refinements to improve ratio of operational time to maintenance time.
- Investigate and observe tests on machinery and equipment for compliance with standards.
- Determine the conditions under which tests are to be conducted, as well as sequences and phases of test operations.
- An effective communicator with deftness in swiftly ramping up projects with competent skills.
- Designed and implemented different systems for monitoring and enhancing maintenance procedures to increase equipment effectiveness in addition to applying and improving the Preventive maintenance.
- Planned the process of trouble shooting, safety measures, data escalation and observation of system operations to ensure compliance.

## **WORK EXPERIENCE**

❖ **1<sup>st</sup> August 2019 – Till Now**

**MRK Powerlines Ltd.**

**Senior Electrical Engineer**

Maintained appropriate inventory of parts for equipment preventing extended down time for rides and facilities. Performed extensive electrical, mechanical, pneumatic, and hydraulic maintenance.

Generated estimates and bill of materials from electrical blueprints. Supervised mechanical, civil and electrical grounding grid system associated with the installation. Handle the tasks of preparing and updating all electrical issues especially on installation.

Ensured the availability of electrical spare parts for all lines with minimum inventory cost by planning their stock levels, ordering them from suitable vendors and following with their purchasing cycle.

Prepared and implemented preventive and condition-based maintenance, and repaired major electrical problems and diagnose mechanical and hydraulic systems.

Review technical practices for assuring maintainability of equipment and parts and submits evaluation for management decision.

Observe maintainability tests at supplier and plant locations to verify operations are conducted according to standards.

❖ **20<sup>th</sup> July 2017 – 31st July 2019**

**Essar Shipping Ltd.**

**Marine Engineer**

Perform regulatory inspections on a weekly basis or more frequently, as needed. Note any deficiencies and report them to the ship's captain along with specific instructions for correcting any problems.

Independently watched the engine room, responsible for operations of main generators. In charge of all engine room safety equipment, assisted the ship safety officer during routine checks and maintenance.

Specialized in working on marine machinery, 2-stroke and 4-stroke diesel engines, boilers, compressors, various pumps, hydraulic machinery & centrifugal oil separators.

Scheduled and conducted machine overhauls and servicing of marine engine, diesel alternator, fresh water generator, heating and ventilation systems, marine refrigeration systems, and oil-water separator systems.

❖ **16<sup>th</sup> September 2013 – 19<sup>th</sup> July 2017**

**Rigel Ship Management Pvt. Ltd.**

**Marine Engineer**

Primarily focused on 2-Stroke & 4-Stroke Diesel engine associated auxiliary machinery, electrical generators steam turbine and diesel driven, fuel inventory and procurement, cargo gear and hull items.

Proficiency in managing operation & maintenance of various equipments in reducing downtime and enhancing operational effectiveness of equipment.

Operation and maintenance of metering cum synchronizing panel, Generator relay panel and excitation control panels, transformer panel, line panel, E.S.P panel (electrostatic precipitator), DG set.

Operated and maintained engine room equipment including hydraulics, boilers, compressors, valves, turbochargers, air conditioners, pumps, oily water separators, fresh water generators, incinerators and purifiers.

**TECHNICAL SKILLS**

- AutoCAD, E-CAD in Electrical Engineering Field.
- PC Schematic Automation in Electrical Engineering Field.
- Primavera with Project Planning and Management.
- MATLAB Designing (Basic).

**ACADEMIC CREDENTIALS**

➤ **B. Tech (Electrical & Electronic); 2013**

CMR College of Engineering and Technology, Jawaharlal Nehru Technological University, Hyderabad

➤ **10+2; 2009**

K.V. A.F. Stn Hakimpet, C.B.S.E., New Delhi

➤ **10; 2007**

K.V. A.F. Stn Hakimpet, C.B.S.E., New Delhi

## **ACADEMIC ACCOLADES**

- Gold medal in discus throw in regional sports meet 2007
- Gold medal in 400mtrs in open sports meet conducted by S.S.S
- Runner-up in Kho - Kho in cluster sports meet 2005
- Runner-up in kabaddi conducted by S.S.S
- Participated in cub bulbul Utsav 2001
- Certified AutoCAD designer from Autodesk.

## **COURSES & TRAINING**

- Engine-room familiarization workshop training.
- Basic Safety Training.
- Fire Prevention and Fire Fighting.
- AutoCAD designer from Autodesk.

## **PERSONAL DOSSIER**

**FATHER NAME** : Bijay Kumar Singh  
**MOTHER NAME** : Madhuri Singh  
**DATE OF BIRTH** : 20-June- 1990  
**PASSPORT No.** : J-5473057  
**POSTAL ADDRESS** : H. No. 70/79 In Front of CISF NISA Gate  
Hakimpet Hyderabad, Telangana – 500078.

**RAJ SHEKHAR SINGH**  
**+91-9136172447**  
**+91-9369275160**