KAMAL CISCO

VACANCY AVAILABLE

Job Title: Shift Electrician

Reporting to: Maintenance Electrical Supervisor / Maintenance Electrical Superintendent

The Maintenance Shift Electrician is responsible for providing electrical maintenance support on a shift basis to ensure the safe, reliable, and continuous operation of all electrical systems and production equipment within the steel manufacturing facility. The incumbent performs preventative, predictive, corrective, and emergency breakdown maintenance while ensuring compliance with statutory requirements, company engineering standards, and SHERQ policies.

The role requires rapid fault diagnosis, effective troubleshooting, and quality repairs to minimise production downtime and maintain plant availability.

KEY RESPONSIBILITIES

Electrical Maintenance

- Perform preventative, predictive, corrective, and breakdown maintenance on plant electrical equipment.
- Diagnose and repair electrical faults to minimise production downtime.
- Inspect electrical installations to ensure safe and reliable operation.
- Replace defective electrical components and equipment.
- Conduct routine testing and inspections.
- Maintain electrical equipment in accordance with manufacturer specifications and company standards.

Production Equipment Support

Provide electrical maintenance for:

- Electric Arc Furnace (EAF)
- Ladle Furnace (LF)
- Continuous Casting Machine (CCM)
- Scrap charging systems
- Scrap Shredder Plant
- Water Treatment Plant (WTP)
- Cooling water systems
- Dust extraction systems
- Overhead cranes
- Conveyor systems
- Hydraulic power units
- Compressors
- Pumps
- Billet handling systems

- Auxiliary production equipment
- Generators

Electrical Systems

Maintain and troubleshoot:

- Medium Voltage (MV) and Low Voltage (LV) systems (within authorised limits)
- Industrial motors
- Motor Control Centres (MCCs)
- Variable Speed Drives (VSDs)
- Soft starters
- Industrial lighting systems
- Power distribution panels
- Switchgear
- Control panels
- UPS systems
- Standby generators
- Electrical protection systems

Automation Support

- Assist with troubleshooting PLC-controlled equipment.
- Identify electrical faults affecting automation systems.
- Support Automation and Instrumentation Technicians during repairs.
- Verify electrical inputs and outputs on PLC systems.
- Assist with commissioning following repairs.

Preventative Maintenance

- Execute scheduled preventative maintenance tasks.
- Inspect electrical equipment for wear and deterioration.
- Tighten electrical connections where required.
- Test protective devices and safety circuits.
- Record maintenance findings.
- Report potential failures before breakdowns occur.

Breakdown Maintenance

- Respond immediately to electrical breakdowns during shift.
- Diagnose faults using appropriate test equipment.
- Carry out safe and effective repairs.
- Restore equipment to operational condition.
- Escalate complex faults where necessary.
- Provide technical feedback to supervisors.

Shutdown Maintenance

- Participate in planned plant shutdowns.

- Perform major electrical maintenance activities.
- Replace obsolete or damaged equipment.
- Assist with commissioning and functional testing.
- Complete shutdown work within planned schedules.

Maintenance Planning and Documentation

- Complete maintenance work orders accurately.
- Record all maintenance activities in SAP PM or the CMMS.
- Report equipment defects and recurring failures.
- Recommend improvements to maintenance plans.
- Ensure maintenance records are accurate and up to date.

Health, Safety, Environmental and Quality (SHERQ)

- Comply with the Occupational Health and Safety Act (OHSA).
- Follow Lockout/Tagout (LOTO) procedures.
- Conduct pre-task risk assessments.
- Wear prescribed PPE at all times.
- Report hazards, incidents, and near misses.
- Maintain excellent housekeeping standards.
- Support ISO 9001, ISO 14001, and ISO 45001 compliance.

Continuous Improvement

- Participate in Root Cause Failure Analysis (RCFA).
- Recommend improvements to electrical systems.
- Assist in reducing equipment downtime.
- Support energy efficiency initiatives.
- Contribute to reliability improvement programmes.

Any other duties which may be reasonable required, due to the operational requirements of the business.

QUALIFICATIONS

Minimum Requirements

- Grade 12 (Matric).
- Recognised Trade Test as an Electrician (Red Seal).

Preferred Qualifications

- National Diploma or N6 in Electrical Engineering.
- Wireman's Licence (where applicable).

Advantageous Qualifications

- Medium Voltage Switching Authorisation.

- PLC fault-finding training (Siemens, Allen-Bradley, Schneider Electric or equivalent).
- Variable Speed Drive (VSD) training.
- PM user training.
- First Aid Certificate.
- Basic Firefighting Certificate.
- Working at Heights certification.
- Confined Space Entry certification.
- Valid Code B Driver's Licence.

EXPERIENCE

Minimum Requirements

- Minimum 5 years' post-trade experience as an industrial electrician.

Preferred Experience

- Steel manufacturing or heavy industrial environment.
- Electric Arc Furnace (EAF), Ladle Furnace (LF), and Continuous Casting Machine (CCM) operations.
- Industrial motor control systems.
- MV/LV power distribution.
- Variable Speed Drives (VSDs).
- PM or equivalent CMMS.

Kamal CISCO is an equal opportunity employer. In line with our Employment Equity Plan, preference will be given to suitable candidates from designated groups to support our commitment to workforce diversity.

If you are interested in applying for this position, please send your CV, including three contactable references, to recruitment@kamalcisco.co.za before **24 September 2026**.

Only shortlisted candidates will be contacted for an interview.