




RESUME

KAMLESH PATEL

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SENIOR ELECTRICAL MAINTENANCE ENGINEER

❖ PROFESSIONAL SUMMARY

Results-driven Electrical Maintenance Engineer with **15+ years of experience** in plant maintenance, utilities management, SAP-based maintenance systems, and team leadership in heavy engineering industry. Strong expertise in preventive & breakdown maintenance, SAP PM/MM operations, vendor development, spares planning, and shift operations management. Proven ability to reduce downtime, improve equipment reliability, and ensure smooth plant operations through structured maintenance strategies and root cause analysis.

❖ CORE COMPETENCIES

- Preventive & Breakdown Maintenance
 - SAP PM & MM Module Operations
 - Material & Equipment Code Creation
 - GNR Clearing & SAP Coordination
 - Spares Planning & Inventory Control
 - Vendor Development & Cost Optimization
 - PLC, CNC Control & Automation
 - VFD, Servo & Motor Control Systems
 - Utilities & Substation O&M
 - Root Cause Analysis (RCA)
 - MTTR / MTBF Monitoring
 - Manpower Handling & Shift In charge
 - TPM, 5S & ISO Compliance
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❖ PROFESSIONAL EXPERIENCE

L&T MHI Power Boilers Pvt. Ltd., Surat, Gujarat

Senior Electrical Maintenance Engineer

August 2010 – Present

Maintenance & Operations

- Leading preventive and breakdown maintenance of shop floor machines and utilities.
- Conducting root cause analysis for recurring and major breakdowns.
- Monitoring and improving maintenance KPIs such as MTTR, MTBF, and machine availability.
- Performing condition-based maintenance to enhance equipment reliability.
- Maintaining machine logbooks and ISO documentation.

Automation & Control Systems

- Installation, troubleshooting, program modification, and maintenance of Mitsubishi PLCs.
- HMI modification and operational design improvements.
- Maintenance of CNC Plasma machines, CNC HBM, VMC machines, Auto TIG welding machines, bending & cutting machines, Yaskawa robots, and heat treatment furnaces.
- Handling VFDs, servo drives, encoders, sensors, relays, and induction motors.

SAP & Purchase Coordination

- Proficient in SAP PM & MM modules including PR creation, SES processing, GRN posting, and work permit processing.
- Clear GRN with stores and accounts.
- Creating and maintaining Material Master and Equipment Codes in SAP.
- Updating equipment hierarchy, functional locations, and BOM structures.
- Processing breakdown and preventive maintenance entries in SAP system.

Spares Planning & Inventory Management

- Planning critical spare parts based on breakdown history and MTBF analysis.
- Maintaining minimum–maximum stock levels to prevent downtime.
- Developing indigenous spares to reduce dependency on OEMs.
- Coordinating with stores and purchase teams for timely procurement.

Vendor Development & Cost Optimization

- Identifying and developing new vendors for maintenance spares.
- Conducting technical discussions and price comparisons.
- Negotiating pricing and delivery schedules for critical materials.
- Developing alternate vendors for emergency breakdown support.

Utilities & Infrastructure Management

- Operation and maintenance of Substations, Transformers, HT & LT Panels, PCC, MCC, USS, MLDB, RTPFC panels.
- Skilled in maintenance and operations of VCB & ACB breakers.
- Operation and maintenance of Natural Gas Generator.
- Handling EOT cranes, semi-gantry cranes, air compressors, chillers, HVAC systems, UPS, lighting systems, and battery-operated vehicles.
- Regular testing of ELCB and plant earthing systems.

Shift In charge & Team Leadership

- Managing maintenance team across shifts.
- Allocating manpower and supervising daily maintenance activities.
- Ensuring safe work practices and compliance with plant safety standards.
- Coordinating with production, quality, and stores departments.
- Preparing daily shift reports and ensuring smooth shift handover.

EDUCATION

Diploma in Electrical Engineering

Technical Education Board, Gandhinagar – 2010

Score: 67.65%

PERSONAL DETAILS

Date of Birth: 13 January 1989

Nationality: Indian

Marital Status: Married

Languages: English, Hindi, Gujarati