

VAIBHAV SHUKLA

Electrical Engineer | Maintenance & Reliability | Power Systems

Ahmedabad, Gujarat, India

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🌐 Open to Relocation: Australia

▣ PROFESSIONAL SUMMARY

Electrical Engineer with 10+ years of experience in power distribution, asset management, and reliability engineering across utility and refinery environments. Expertise in preventive maintenance, shutdown execution, condition monitoring, and root cause analysis (RCA) to enhance system performance and reduce downtime. Strong experience with SAP PM (CMMS), GIS systems, and compliance with HSE and safety standards. Currently pursuing MBA to strengthen business and operational decision-making.

☑ Seeking Electrical / Maintenance / Reliability Engineer roles in Australia.

▣ CORE COMPETENCIES

- Electrical Power Systems (LV, MV, HV up to 220kV)
- Reliability Engineering & Asset Lifecycle Management
- Preventive / Predictive Maintenance (PM, CBM, PDM)
- Condition Monitoring (Thermography, Partial Discharge)
- Fault Analysis & Root Cause Analysis (RCA)
- Shutdown Planning & Execution
- SAP PM / CMMS Systems
- Electrical Safety Compliance (HSE, OH&S, LOTO, PTW)
- Risk Assessment (JSA, HIRA)
- Technical Reporting, MIS & KPI Analysis
- Vendor Coordination & Contract Management

▣ PROFESSIONAL EXPERIENCE

Torrent Power Limited – Ahmedabad, India

Executive – Electrical (LV Improvement & Reliability)

June 2022 – Present

Key Responsibilities

- Designed and implemented LT distribution network systems, improving reliability and reducing failure rates.
- Prepared BOQ/BOM, cost estimation, and project budgets for network enhancement projects.
- Supervised installation, commissioning, and testing of electrical systems including cables, MSPs, and terminations.
- Updated SLDs, cable routes, and asset records in SAP PM & GIS systems (CMMS environment).
- Performed root cause analysis (RCA) and implemented preventive strategies to improve system performance.
- Ensured compliance with electrical safety, OH&S, and EMS standards.

Key Achievements

- ✓ Improved system reliability through structured condition-based maintenance (CBM) approach.
- ✓ Enhanced asset tracking and reporting accuracy using SAP & GIS integration.

Reliance Industries Ltd – Jamnagar Refinery

Electrical Manager (Level J)

Feb 2019 – Aug 2020 | Nov 2021 – Jun 2022

Key Responsibilities

- Managed operation & maintenance of critical electrical assets including transformers, motors (up to 3.5 MW), switchgear, UPS, HVAC systems.
- Conducted condition monitoring and fault diagnostics, reducing risk of unplanned failures.
- Performed maintenance and troubleshooting of SF6, VCB, ACB switchgear (ABB & Siemens).
- Led electrical execution during major shutdowns (Hydrogen Unit, FCC Unit) ensuring zero incidents.
- Ensured compliance with PSM, HSEF standards and electrical safety protocols.

Key Achievements

- ✓ Successfully completed large-scale shutdown execution with zero safety incidents.
- ✓ Improved operational efficiency through proactive maintenance and RCA.

Siemens Ltd – Tata Motors Project, Sanand

Electrical Engineer

Jan-2018 to Dec- 2018

Key Responsibilities

- Maintained 220kV switchyard, transformers, and electrical systems.
- Conducted thermography, partial discharge analysis, and CBM activities.
- Performed preventive and corrective maintenance for critical equipment.
- Prepared energy consumption reports, KPI dashboards, and maintenance records.

Key Achievements

- ✓ Improved equipment reliability using predictive maintenance techniques.
- ✓ Reduced failure risk through structured monitoring systems.

Siemens Ltd – Vadodara (GETCO Projects)

Electrical Engineer

2015 – 2018

Key Responsibilities

- Operated and maintained 220kV / 132kV switchyard assets.
- Assisted in relay testing, transformer maintenance, and grounding systems.
- Developed preventive maintenance schedules to enhance uptime and reliability.

□ KEY PROJECTS

✓ LT Distribution Network Improvement – Torrent Power

- Designed and executed network enhancement projects.
- Improved reliability and reduced technical losses.

✓ Refinery Shutdown Execution – Reliance Industries

- Managed electrical isolation and restoration during shutdown.
- Ensured zero-incident execution with strict compliance.

□ EDUCATION

Bachelor of Engineering – Electrical Engineering

Gujarat Technological University, Ahmedabad

2014 | CGPA: 7.0

MBA (Finance) – Pursuing

B.K. School of Management

□ TECHNICAL SKILLS

- SAP PM (CMMS), GIS Systems
- MS Excel (Advanced), PowerPoint, Word
- Electrical Testing & Diagnostic Tools
- Condition Monitoring Techniques

□ KEY ACHIEVEMENTS

- Improved electrical network performance using CBM strategies.
- Reduced equipment failure through predictive maintenance & RCA.
- Ensured zero-incident shutdown execution in refinery operations.
- Strengthened safety and compliance systems across multiple sites.

□ CERTIFICATIONS

- Electrical Supervisor Certification
- HSE / ISO Training
- Data Analytics / Technical Certification

□ PROFESSIONAL ATTRIBUTES

- Strong analytical & problem-solving ability.
- Excellent communication & stakeholder management.
- Leadership in field operations & team coordination.
- High adaptability in industrial environments.