



SANGRAM KUMAR PATRA

Electrical Manager

My Contact

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📍 Bharuch, Gujarat, India

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Hard Skill

- Electrical Power system reliability
- Electrical Maintenance
- SLD design & analysis
- Project Management
- O & M of GIS and AIS
- Programming & Testing of protection relays
- SAP
- ERP

Soft Skill

- Leading team
- Decision making
- Communication
- Multi-tasking
- MS office(word,excel,ppt)

Education Background

- Biju Patnaik University Of Technology
B.Tech Electrical Engineering (7.4 CGPA)
Duration: 2013-2017
- R.I.H.S. Bhograi, Odisha
H.S.C. in Science (51 percentage)
Duration: 2012-2013
- Borcelle Business School
S.S.C. (80 percentage)
Duration: 2010-2011

About Me

Highly reliable Electrical Manager with 6+ years of experience in electrical maintenance and project management, specifically within the oil & gas, petrochemical and chemical plant sectors. Seeking Electrical Engineering position that not only provides avenues for professional development and progression but also enables me to apply my educational background and extensive industry knowledge, ultimately becoming a great asset to the organization.

Professional Experience

Reliance Industries Limited

Electrical Manager

May 2023 – Present

- Currently serving as a Maintenance and Reliability Engineer in the Central Engineering Service department.
- Responsible for overseeing the electrical activities of plants, including GCU/ CPP/HDPE/PVC, ensuring smooth, safe, and reliable operation of electrical equipment.
- Collaborate with Operations, Mechanical, and Engineering departments to plan and schedule major overhauling jobs or PM jobs in the field.
- Conduct equipment or system failure analysis, taking corrective action to ensure reliable operation and prevent repetitive failures.
- Proficient in Operations and Maintenance of Power T/F (up to 20 MVA, 33/6.9 KV, make-BBL, Voltamp), Induction HT/LT motors (up to 2.4 MW, make-BBL, ABB, CGL), and 220V DC battery charger (make-chhabi, vertiv).
- Responsible for the maintenance, troubleshooting, and testing of HT/LT switchboards in GIS (33 KV) & AIS (220 KV), various switchgears (SF6 CB, VCB, ACB, etc.), and power & control cables.
- Skilled in testing and programming protection relays (REF615/7SJ61/7SJ64/7SR11) and CT/PT, with knowledge of Fast bus transfer relay working scheme.
- Manage significant tasks such as breaker/relay retrofitting in HT/LT switchboards, erection and commissioning of PCC/MCC panels and new cable termination indoors/outdoors as per MOC/Shutdown jobs.
- Proficient in SAP MM, PM (Planning, Scheduling) modules, and permit systems based on SAP.
- Committed to strictly adhering to standard operating procedures, maintenance and testing procedures, work instructions, check sheets, risk assessment, and ensuring compliance with them.

IG Petrochemicals Limited

Electrical Engineer

Jul 2022 – Apr 2023

- Proficient in maintenance and troubleshooting of a steam turbine generator (4 x 3.6 MW) and its HT switchboards, including NGR/control panel.
- Experienced in synchronizing the steam turbine generator with the Grid I/C and DG systems.
- Skilled in troubleshooting IMCC panels equipped with SIMOCODE (Pro version) controllers using PROFIBUS communication.
- Capable of handling troubleshooting and preventive maintenance of Power/Distribution Transformers, Power factor correction Capacitor panels, UPS, DG Sets (up to 2 X 2 MVA), HT (6.6KV) and LT induction motors, RMU/PCC/PMCC/MCC panels, Plant lighting, Plant Earthing, VFDs, and Circuit breakers (OCB, ACB, VCB).

Achievements

- 2017 – 2022 Managed three green field projects worth over 500 Cr. (INR).
- 2022 – 2023 Reduced the downtime of plant equipment, thereby improving the productivity of plant by 15%.

Personal Details

- DOB: 25/02/1996
- Address: At/Po: Barbatia Bazar, Block: Bhograi, Dist: Balasore, Odisha ,756039
- Marital Status: Married
- Languages Known: English, Hindi, Oriya, Bengali, Gujarati
- Nationality: Indian

- Ensuring optimal capacity utilization of the plant and uninterrupted operations by effectively scheduling and planning preventive, breakdown, and shutdown maintenance tasks.
- Experienced in working in hazardous areas such as ZONE-0 and ZONE-1.
- Strong commitment to workplace safety, including adherence to LOTO systems, work permit systems, and JSA (Job Safety Analysis) protocols.
- Regularly update daily power consumption reports, breakdown reports for critical and non-critical equipment, and preventive maintenance reports in the history card.
- Proficient in inventory management, vendor identification, requesting quotations, and placing purchase requests for spares, equipment, and services.

Lonsen Kiri Chemical Industries Limited Electrical Officer *Jun 2017 – Jun 2022*

- Proficient in performing and monitoring preventive maintenance and troubleshooting activities of 66 KV AIS (Air Insulated Switchgear).
- Responsible for the maintenance and overhauling of Power/Distribution Transformers (up to 5 MVA), Power factor correction Capacitor panels, UPS, DG Sets (up to 2 X 1 MVA), Goods Lifts, EOT Cranes, LT motors, PCC/PMCC/MCC HT & LT panels.
- Skilled in programming and troubleshooting VFDs (Variable Frequency Drives) from various manufacturers, including ABB ACS550/560/880, Schneider ATV 61/71 and Danfoss.
- Proficient in ensuring compliance and documentation for ISO-9001-2015, ISO-14001, and OHSAS-18001 standards.
- Diligently conduct timely inspections of all jobs as required by the Electrical Inspectorate and statutory guidelines, ensuring their timely compliance.

Thanking you,

(Sangram Kumar Patra)