

Sudipta Sarkar

Email: sudipto34@gmail.com

Phone:+91 9836580960/7302655677

ELECTRICAL ENGINEER ---10 YEARS

Extensive exposure in driving critical assignments across the career with proven success in ensuring optimum results

PROFESSIONAL SYNOPSIS

- Solutions focused, meticulous and result oriented B. Tech (Electrical) offering **10 Years** of successful career distinguished by commended performance and proven results.
- Proven ability in improving operations, enhancing business growth & maximizing profits through the achievements in Maintenance & Planning, internal controls & productivity improvements.
- Eminently competent in supervising the Electrical Engineering functions leading to ensured execution of works as per the requirement, contract, specifications and conforming to safety, quality, cost, time parameters.
- Extended exposure in quality surveillance, inspection activities utilizing quality techniques and methodologies for root cause analysis (RCA), evaluation and continuous improvement.
- Highly articulate, demonstrating exceptional relationship building, communication, analytical and interpersonal skills.
- Conversant with MS-Office, Windows, Google tools, Internet handling. Implementing safety, health & environment of electrical works.
- Ensure Plant is running in a good reliability and availability, minimizing downtime of the plant, recording all the key facilities of the plant daily basis.

AREAS OF EXPERTISE INCLUDE...

(ELECTRICAL SUPERVISOR'S CERTIFICATE OF COMPETENCY AS PER WB ELECTRICAL LICENSING RULE 2017, PARTS QUALIFIED:1,2,11(12/17))

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| ● <i>Operating 132 KV Switchyard</i> | ● <i>Condition Based Maintenance, Predictive Maintenance</i> |
| ● <i>Shutdown /Turnaround Planning</i> | |
| ● <i>Corrective Maintenance</i> | |
| ● <i>Participate in 15+ shutdown</i> | ● <i>Maintenance Planning</i> |
| ● <i>Plant Maintenance</i> | ● <i>Breakdown Maintenance</i> |
| ● <i>Experience in ASU, HYDROGEN, Fertilizer, Chemical Plant</i> | |
| ● <i>Management Skills</i> | ● <i>Preparing SOP, SMP</i> |
| ● <i>Executing Administrative Tasks</i> | ● <i>Preparing JHA, ORMP, HAZOP</i> |
| ● <i>Maintenance Planning in MAXIMO(CMMS)</i> | ● <i>Observing Unsafe Condition</i> |
| | ● <i>Safety audit</i> |

- Knowledge in ORACLE/EPIC for PR Raise
- Interaction with Supplier & Vendor
- Vendor Handling

- Implementing Safety works
- Preparing 5s
- Prepare Revenue & Capital Expenditure Budget Cost Estimation

- Liaising with Electricity board
- Leading quality
- Good Communication Skills
- Tool-box talk

- Prepare Technical specification sheet
- Prepare Scope of work
- Preparing Power Report, Equipment daily Checklist
- Shutdown Activities within Budget

- Raise Purchase Requisition
- Technical evaluation of offers for Purchase Requisition
- Follow-up for incoming material
- Quality inspection of incoming Materials

- Equipment Reliability- Root Cause Analysis (RCA)
- Failure Analysis –Troubleshooting
- Problem solving
- Installation, Commissioning. Testing
- Site Management –Planning, Analysis, Execution

- Spare Part management
- Drawing reading, Understanding & Checking
- Knowledge of Standards & Codes in IE Rule
- Providing KAIZEN/MOC
- Providing Preventive Maintenance Schedule & execute

- Documentation
- MS Office
- Tools (Docs, Excel, Drive, Hangout etc)
- Preparing Training Module
- Giving Training
- Internet handling
- Using INTELEX for IMS events.

PROFESSIONAL CONTOUR

<i>Organization</i>	<i>Designation</i>	<i>Duration</i>
Air Liquide North India Pvt Ltd. (Roorkee, Uttarakhand, India)	Maintenance Engineer-Electrical	April 18 – Till date
Siemens Limited @Matix Fertilizers and Chemicals Limited (Durgapur, Panagarh, West Bengal, India)	Electrical Engineer-Integral Plant Maintenance	Sep'15- April'18
Himadri Chemicals & Industries Ltd (Hooghly, West Bengal, India)	Electrical Engineer	June12–Aug'15

Current Company Profile:

AIR LIQUIDE NORTH INDIA PVT LIMITED (SITE-ROORKEE, UTTARAKHAND)

Maintenance Engineer-Electrical

- Oversee the Electrical maintenance of **ASU** Plant of oxygen, nitrogen, argon and **HYDROGEN** plant
- Installation, Commissioning, Major Overhauling, Preventive, Predictive, Condition based, TBM, break down and Shutdown maintenances and troubleshooting of all types of LV & HV Motors, Power & Distribution Transformers, Switchgear, Different types of Starters, Diesel Generator, UPS, Battery charger, Battery, Capacitor bank, Microprocessor based protection relay, Numerical & Electro-mechanical relay, Switchyard.
- Installation, Overhauling, Testing, Commissioning & Maintenance of HV Motors (2.5MW) and also LV Motors.
- Installation, Testing & Maintenance of Power transformers (10 MVA) and Distribution Transformers.
- Testing, Commissioning & Maintenance of 132KV & 6.6KV, 11KV HV Switchgear (VCB, SF6 Breaker) and 415V LV(ACB) Switchgear.
- Operation and maintenance of 132KV Switchyard.
- Operation and maintenance of Rectifier transformer and 160V/7000A DC Rectifier Panel of HYDROGEN Plant.
- Installation, Testing, Commissioning & Maintenance of DOL, R-DOL, Star-Delta starter.
- Operation, Maintenance & Programming of VFD-PF70 AC Drive (Make-Allen Bradley)
- Maintenance of UPS, Battery Charger. Operation & Maintenance of 250 KVA DG.
- Testing & Maintenance of Battery Bank.
- Numerical Relay (Make-Siemens) & Electromechanical Relay setting.
- Operation and maintenance of Capacitor bank.
- Participation of TAR/Shutdown.
- Maintenance of Utility area like cooling tower, fire pumps, DM Plant, Chiller etc
- Executing all running maintenance jobs.
- Involved in Planning and Execution of preventive, predictive maintenance and all Electrical Related jobs.
- Planning for TAR/SHUTDOWN and arrange all the resources.
- Supervise and mobilize resources for shut down jobs as per plan.
- Drawing Study, understanding and checking.
- Vendor handling, Interaction with the Vendor and supplier to clarify the technical issues.
- Manages Technicians and Contractor. (35-40 people)
- Attending of customer meeting, site meeting and supplier meeting.
- Supervision, monitoring and coordinating of all activities which include maintenance.
- Spare parts Management and purchasing material as per suitable technical Specification.
- Preparing Technical Specification Sheet of material, Scope of work.

- Recommendation for spares & consumables based on requirement and on stock basis, Quality inspection of incoming spares.
- Collecting the critical equipment data and maintaining the critical spares.
- Vital role in the implementation & improvement of SMP/SOP.
- Preparing the Preventive maintenance plan and LLF Checklist.
- Completing KAIZEN/MOC.
- Preparing incident report, generate work order (through MAXIMO), daily job report, Monthly report, Power report and reporting to higher authority
- Tool Box Talk for the jobs.
- Providing technical trainings to technicians.
- Ensure 100% compliance of safety and zero accident.
- Preparation of Job Safety Assessment (JSA/JHA), Ensure 100% compliance of safety and zero accident.
- Preparation of Hazard and Operability Study (HAZOP)
- Enhance the overall reliability and availability of the plant with proper safety.
- Implementing the “5S” culture in Electrical maintenance.
- Preparing PM schedule & Using MAXIMO (CMMS) for executing Equipment Maintenance Planning. Using ORACLE/EPIC for PR Raise.
- Prepare revenue and capital expenditure budget.
- Knowledge of standards & codes in IE Rule.
- Attending Audit.
- Ensure zero Breakdowns by using the following tools
 - RCA
 - Health monitoring of equipment
 - Elimination of the abnormalities in between 24 to 48 hrs or as early as possible
 - Quality inspection of spares
 - good quality spare development at optimum cost.

Previous Company Profile:

SIEMENS LTD

SITE - MATIX FERTILIZER AND CHEMICALS LTD

As Electrical Engineer-Integral Plant Maintenance:

- Oversee the Electrical maintenance of Urea & Ammonia Plant & Utilities section at Matix Fertilizers & Chemicals Limited.
- Overhauling, Installation, Testing, Commissioning & Maintenance of HV Motors (Up to 2.5MW) and also LV Motors.
- Installation, Testing, Maintenance & Programming of VFD (Siemens G120, Micro master 440 & Micro master 430).
- Testing & Maintenance of Power transformers (Up to 45MVA) and Distribution Transformers.

- Testing, Commissioning & Maintenance of 33KV & 6.6KV HV Switchgear and 415V LV Switchgear.
- Operation & Maintenance of 1.6MVA DG.
- Numerical Relay (Make-Siemens) & Electromechanical Relay Coordination and setting.
- Leading the maintenance team of 30 personnel.
- Key role in executing all running maintenance jobs.
- Involved in planning and execution of preventive and predictive maintenance.
- Planning for TAR and arrange all the resources.
- Participation in TAR/Shutdown
- Collecting the critical equipment data and maintaining the spares.
- Supervise and mobilize resources for shut down jobs as per plan.
- Preparing the Preventive maintenance plan and LLF Checklist.
- Completing monthly target of KAIZEN/MOC
- Preparing daily job report, Monthly report, other documents and reporting to higher authority.
- Tool Box Talk for the jobs.
- Providing technical training to technicians.
- Maintenance of Utility area.

Previous Company Profile:

HIMADRI CHEMICALS & INDUSTRIES LTD, HOOGHLY, WEST BENGAL, INDIA

As Electrical Engineer:

- Installation, Testing, Commissioning & Maintenance of 11KV HV Switchgear and 415V LV Switchgear.
- Testing & Maintenance of Power transformers (up to 25MVA) and Distribution Transformers.
- Installation of Motor management & control device SIMOCODE (PRO-C & PRO-V) and its operation, setting via motor management software SIRIUS.
- Commissioning & maintenance of TF heater, Fire Heater, MIQ, HTSX Heater.
- Commissioning & Maintenance of LV motors. DOL, star/delta starters.
- Operation & maintenance of DG (up to 725KVA).
- Operation & maintenance of capacitor bank (up to 800KVAr).
- Interaction with the Vendor and supplier to clarify the technical issues, Negotiation, placing order, Follow up for on time Delivery, and Pending orders, Coordination with Corporate Purchase Department.
- Preparing 5-S.
- Participation of TAR/Shutdown.
- Prepared Electrical documents such as Plant availability, Motor burn report, Motor servicing report, Power consumption report, Diesel report, Earth testing report, MTBF etc. Knowledge of standards & codes in IE Rule. Attending Audit

CREDENTIALS

B. Tech (Electrical) from Durgapur Institute of Advanced Technology and Management in 2012 with DGPA

7.97

PERSONAL MINUTIAE

Date of Birth : 7th October, 1989
Languages Known : English, Hindi, Bengali
Mailing Address : AH-74/1 Talbagan, Krishnapur, Kolkata-700102
Current Location : Roorkee, Uttarakhand-247667
Marital Status : Married
Nationality : Indian
Religion : Hindu

Passport Details:

Passport NO : J7589023
Place of Issue : Kolkata
Date of expiry : 12/02/2031

Declaration:

I hereby declare that the information furnished above is correct and true to the best of my knowledge.

Yours Sincerely,

Sudipta Sarkar