

# Sudipta Sarkar

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## ELECTRICAL ENGINEER ---10.9 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 10.9 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.

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**PROFESSIONAL CONTOUR**

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<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

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**PERSONAL MINUTIAE**

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**Date of Birth** : 7<sup>th</sup> 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