

# Sudipta Sarkar

Email: [sudipto34@gmail.com](mailto:sudipto34@gmail.com)

Phone:+91 9836580960/7302655677

## ELECTRICAL ENGINEER ---9.5 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 9.5 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))**

- |  |  |
|--|--|
| ● <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 10+ 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</i>                                  |
| ● <i>Maintenance Planning in MAXIMO(CMMS)</i>                    | ● <i>Safety audit</i>  |
|  | ● <i>Observing Unsafe Condition</i>                          |

- Knowledge in ORACLE 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

- 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

---

**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)**

One of the leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with approximately 65,000 employees and serves more than 3.5 million customers and patients. Oxygen, nitrogen

and hydrogen are essential small molecules for life, matter and energy. They embody Air Liquide's scientific territory and have been at the core of the company's activities since its creation in 1902.

Air Liquide's presence in India started in 1992. Today, Air Liquide has steadily increased its footprint in the country, relying on 600 employees to serve over 550 industrial and 2,500 hospital customers.

Through its capabilities and expertise, Air Liquide enables its customers to focus on their core businesses, and constantly innovates to provide solutions that increase their competitiveness and reduce their environmental footprint. We put safety at the core of our business and guarantee products of the highest quality standards and reliability.

### **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 Starter, 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 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 DG.
- Testing & Maintenance of Battery Bank.
- Numerical Relay (Make-ABB) & 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, Ensure 100% compliance of safety and zero accident.
- 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 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 equipments
  - 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

For more than 165 years, Siemens AG (Berlin and Munich) has stood for innovative strength, a passion for technology, sustainability, responsibility and an uncompromising commitment to quality and excellence. As a globally operating technology company. To tap business opportunities in both new and established markets, it is organized & Company is divided into nine Divisions: Power and Gas, Wind Power and Renewable, Energy Management, Building Technologies, Mobility, Digital Factory, Process Industries and Drives, Financial Services - and Healthcare as a separately managed business.

### **SITE - MATIX FERTILIZER AND CHEMICALS LTD**

Greenfield Fertilizer complex with a capacity of 3 MTPA of Urea (In two phases) by Matix Group in Panagarh, West Bengal. ESSAR PROJECT is the EPC contractor of this project. In Phase I: Investment is Rs.5000 crores to set up a 1.3 MTPA single stream Urea Plant where per day production of Urea will be 3850 metric tonnes (MTPD) and Ammonia production will be

2,200 metric tonnes (MTPD) along with associated offsite and utilities. The plant will be energy efficient and latest technology from industry leaders KBR (Kellogg, Brown & Root), USA for Ammonia Plant and Saipem, Italy for Urea Plant. Matix Fertilizers and Chemicals Ltd. will be one of the world's largest single stream plants and the first with a feedstock supply made entirely of Coal Bed Methane (CBM) gas.

#### **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 (Upto 2.5MW) and also LV Motors.
- Installation, Testing, Maintenance & Programming of VFD (Siemens G120, Micromaster 440 & Micromaster 430).
- Testing & Maintenance of Power transformers (Upto 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-ABB) & 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.
- 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 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**

The only integrated complex to manufacture coal tar pitch, chemical oils, carbon black, naphthalene, advance carbon, corrosion protection, naphthalene sulphonate, and generate power. Largest Indian coal tar pitch (CTP) manufacturer. Six manufacturing facilities located in India and one in China. Caters to 65% of the Indian aluminium and the graphite electrode industries requirement of coal tar pitch. One of the few global manufacturers of zero quinolene insoluble (QI) pitch, a critical input of graphite electrodes manufacture. Credible business model endorsed by the presence of investors like Citi Venture Capital International (CVCI), IFC Washington and Bain Capital.

**As Electrical Engineer:**

- Installation, Testing, Commissioning & Maintenance of 11KV HV Switchgear and 415V LV Switchgear.
- Testing & Maintenance of Power transformers (Upto 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 (upto 725KVA).
- Operation & maintenance of capacitor bank (up to 800KVA).
- 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** :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