



Achyut R. Shukla

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SUMMARY:

- Completed M.E. (Electrical Power Engineering) from M. S. University of Baroda.
- Completed MBA (Finance) from M. S. University of Baroda.
- Completed B.E. (Electrical) from V.V.P. Engineering College, Saurashtra University, Rajkot
- Completed Post Diploma in Industrial Safety conducted by Gujarat Safety Council, Vadodara Recognized by Technical Education Board, Gandhinagar.
- Presently working in Gujarat State Fertilizers & Chemicals Ltd, Vadodara as a Deputy Manager (Electrical).
- Overall 11+ years of experience in the maintenance of Electrical system including major part in field of Phosphoric acid (PA), Di-Ammonium Phosphate (DAP), Ammonium Phosphate sulphate (APS), Sulfuric Acid & Ammonium sulphate.
- Experience in modification and improvement in existing electrical system, procurement, erection and commissioning of schemes, preventive, predictive and breakdown maintenance.
- Have worked with team of Engineers, as a lead engineer.
- Quick learner, self motivated, self starter, able to work independently and collaboratively with in a diverse technical team, excellent communication skills, competent, strong team player, attention to detail, dutiful respect for compliance in all regulated environment.

Experience Details:**1. GUJARAT STATE FERTILIZERS & CHEMICALS LTD, Baroda.
(Promoted by Government of Gujarat)****✓ Company Profile:**

- **Gujarat State Fertilizers & Chemicals Ltd.** is India's largest integrated Fertilizer and Petrochemical Complex. The main areas of the company are related to production of various nitrogenous and complex fertilizers, Industrial Products, Petrochemicals, Polymers and Chemicals.
- A Leading Manufacture of Ammonia, Methanol, Phosphoric Acid, Urea, DAP, AS, Caprolactam, Melamine, Nylon-6 having 6500 crore annual turnover.

Designation: Deputy Manager (Electrical) – Looking after Phosphoric Acid, DAP/APS, AS I & II, Sulfuric Acid III & IV (Current) & Qualified Internal AUDITOR of IMS (OHSAS & EMS) & Energy Management.
Working From 6th February 2006 to till date.

Responsibilities handle:

- ⇒ To ensure proper, safe and efficient electrical maintenance of plants take all day to day major decision regarding operation & maintenance of electrical system.
- ⇒ Troubleshooting any plant abnormalities and emergency and rectify any breakdown in co-ordination with agencies.

- ⇨ Observe overall plant equipment health, and initiate changes to improve plant performance. Initiate, adopt, and recommend best practices.
- ⇨ Preparation of annual budget for department.
- ⇨ Vendor development.
- ⇨ Handling of various contracts.
- ⇨ Supervision of all operational activities of electrical equipment and systems.
- ⇨ Supervision of all Electrical Maintenance activities like
 - Daily Routine Maintenance
 - Preventive Maintenance
 - Condition Monitoring
 - Trouble shooting of various Electrical equipments.
- ⇨ Spare management for all electrical equipments.
- ⇨ Man power Handling
- ⇨ Shutdown planning for electrical equipment & its execution
- ⇨ Prepare and maintain daily/monthly, annual maintenance history sheet by using SAP interface, IMS documents, FMS entry, FICC, tender enquiry, FC, Work order etc.

Exposure to various electrical equipments is described below.

(I) Transformer :

- Maintenance of 3150 KVA, 11/3.3 KV and 11/0.433 KV station auxiliary transformers, 3000 KVA 11/3.3 KV, 2500 KVA 11/0.415 KV, 1750 KVA 11/0.415 KV, 1600 KVA 11/3.3 KV Distribution Transformers.
- Routine maintenance, major overhauling and inspection of transformers.

(II) Motors:

- Maintenance of HT (11 KV & 3.3 KV) & LT sq.cage Induction motors up to 1200 KW.
- Maintenance of HT & LT (3.3 KV & 415 V) Slip ring Induction motors up to 600 KW.
- Condition monitoring of HT & LT motors by shock pulse analyzer.

(III) Protection & Switchgear:

- Co-ordination, installation and maintenance various protective relays of Electro-mechanical and Numerical relays.
- Maintenance & trouble shooting of 11 KV, 3.3 KV VCB Circuit breaker, 11 KV, 3.3 KV MOCB and LT Air Circuit breaker with its control circuits.
- Operation & Maintenance of Auto changeover scheme of Two Incomer and one Bus-coupler.
- Maintenance & trouble shooting of Power Control Center (PCC) and Motor Control Center.

(IV) Generator :-

- Maintenance of 15 & 25 MW Steam Turbine Generator, 30 MW Gas Turbine Generator including Minor and **Major Overhauling** of 25 MW steam Turbine Generator.
- Routine slip-ring maintenance and inspection.
- Maintenance of 750 KVA Emergency Diesel Engine Generator including Minor and **Major Overhauling**.

(V) Special Jobs executed :-

- Retrofitting of Jyoti make MOCBs by SIEMENS VCBs, 11 KV, 1250 A.
- Retrofitting of Inoue Electric, Japan make ACBs by SIEMENS / L&T make ACBs, 690V, 4000 A.

- Retrofitting of old electromechanical relays by numerical motor and feeder protective relays.

(V) Others :

- Operation & Maintenance of 220V DC power supply system including 2000Ah Lead-acid Battery and its Battery chargers.
- Operation & maintenance, trouble shooting of VFDs.
- Maintenance & Trouble shooting of 750 KVA, 415V Emergency Diesel Engine-Generator set (Cummins make) and associated control system.
- Operation & Maintenance of 40 Tons Electrical overhead traveling cranes.
- Maintenance of HT & LT Power and Control cables.

2. **GSFC University, Baroda.** **(Promoted by Gujarat State Fertilizers & Chemicals Ltd.)**

vision and mission statement

To Establish and Evolve a Research-Driven University which Provides a Platform to Excel and Develops Human Capital that the World Aspires to Acquire

Research will be a focal point at GSFC University, both to make the University financially sustainable and to leverage the cross-disciplinary interactions that are expected to evolve between the faculty and students of various schools.

Designation: Visiting faculty for the subject of "Electrical & Electronics Engineering" Since January 2017.

Safety Management/ Quality Compliance

- ⇒ Certified internal Auditor and Involved in **INTERNAL AUDITS** for **Responsible Care, ISO 9001:2008, ISO 14001:2004 & BS OHSAS 18001:2007 & ISO 50001:2011**
- ⇒ Strictly follow the Safety **Work Permit System** for Hot work, cold work, and Vessel Opening and Confined space entry.
- ⇒ Follow safety practices with providing **Tool Box Talk, Task Based Risk Assessment, Near Miss Reporting** for contract people working with Hydrocarbon & Toxic Gas prone Environment.
- ⇒ Preparing and maintaining various documents related to Integrated Management System, such as HIRA, ROR, and Energy Aspect Register etc.
- ⇒ Implementing safety measures during normal operation and emergency.
- ⇒ Corrective & Preventive actions of Non- conformance in IMS document of the Department.
- ⇒ Undergone through Basic safety and fire training, Toxic gas Training, Process safety management & various safety Mock Drills.

Team Management

- ⇒ Directing, motivating and leading from front, workforce and imparting continuous on job training for accomplishing greater operational effectiveness/ efficiency.
- ⇒ Working on succession planning of the workforce, shift management activities, appraising the member's performance & providing feedback.

2. **M/s. Paschim Gujarat Vij Company Ltd.**

(Earlier: Gujarat Electricity Board.),

Duration: - 05/12/2005 to 04/02/2006.

Job Profile: Designation: Jr. Engineer, (Vidhyut Sahayak).

- Procurement Planing & control.
- Preparation of daily material report & report to higher Authority.
- Technical specification development and vendor development.
- Handling manpower & motivation.

• **PROFESSIONAL QUALIFICATION**

Master of Business Administration	2016
M S University of Baroda, Gujarat	
➤ Aggregate	CGPI 4.95 Grade B+
Post Diploma Industrial Safety	2014
Technical Education Board, Gujarat	
➤ 1 st year	May-2013 62.67%
➤ 2 nd year	May-2014 64.25%
Master of Electrical Engineering	2007
Faculty of Technology & Engineering	
M S University of Baroda	
➤ 1 st year	April-2006 55.47%
➤ 2 nd year	April-2007 71.67%
Bachelor of Electrical Engineering	2005
V V P Engineering College, Rajkot	
Saurashtra University	
➤ 1 st year	July-2002 56.18%
➤ 2 nd year	May-2003 64.06%
➤ 3 rd year	June-2004 68.06%
➤ 4 th year	June-2005 77.44%
➤	
Higher Secondary Schooling Certificate	2001
Saurashtra High School, Rajkot	62.00%
Secondary Schooling Certificate	1999
Lal Bahadur Shashtri School, Rajkot	88.14%

COMPUTER SKILL: Competent Programmer of C++, Regular user of SAP, MS Office, Outlook Express.
Familiar with Windows operating systems such as Windows7, windows10 etc.

TRAINING: Undergone Training on PLC, SCADA, MMI & Drives from ISA, Pune.

ACHIEVEMENT AND EXTRA CURRICULAR ACTIVITIES → Submitted a dissertation on “Protective Device Coordination by PTW-32” as M.E. Thesis. The dissertation concentrated on deriving most effective coordination curves with help of software and recheck its effectiveness with existing settings.
→ Presented a national level paper on Protective Device Coordination

- Manufactured a Testing panel of 3 Phase Induction Motor According to Indian Standard as B.E. Project.
- National level paper presented on “BIOSENSORS”
- National level paper presented on “HVDC Transmission”
- Participated in VVP BRAVO-2004 Robotics Competition.

Personal Profile :

Date of Birth : 14th March, 1984

Gender : Male

Nationality : Indian

Marital Status : Married

Languages Known : Hindi, English & Gujarati

Hobbies : Traveling, Reading books of Self Improvement and spiritual

Total Experience : 11 years & 8 months

Passport No : 1365233.

ORGANISATION CHART:

MD->Sr. VP(Engineering Services)->VP-> Sr.Manager->**Deputy Manager**->Deputy Managers->Electrical Engineers->Supervisor->Sr. Technicians->Technicians->Workmen.

References:

Mr. H R Garg
VP (Electrical)
GSFC, Vadodara
Mob: 08238022055

Mr. K. U. Joshi
Ex. Director
SVNIT, Surat, Gujarat
Mob: 09428050395.

DECLARATION:

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

Place: Vadodara

Date: 16/09/2014.

Regards,

Achyut R. Shukla