

RESUME

JAYESH J. JETHAVA

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ACADEMIC PROFILE

- **B.E (ELECTRICAL)**

Bachelor's degree in electrical engineering in July-2011 securing first class with distinction from government Eng. College, Bharuch, Gujarat. (Veer Narmada south Gujarat University)

- **H.S.C**

Passed the H.S.C.E board exam in March 2007 with first class

- **S.S.C**

Passed the S.S.C.E board exam in March 2005 with distinction

- **TOTAL EXPERIENCE: 6 YEARS**

PROFESSIONAL EXPERIENCE (1)

- **RELIANCE UTILITIES & POWER LIMITED**

(**RELIANCE INDUSTRIES LIMITED**, PETROCHEMICALS, Hazira-manufacturing division, Surat, Gujarat.)

JOB DURATION : continues from MARCH-2016 to continue.....

JOB ROLE:

I have working as a **plant Electrical project / Maintenance engineer as well as Energy management system (EMS) engineer.**

I have gain hands on experience in following area.

Knowledge of 350 MW coal based Captive power plant electrical operations, trouble shooting and maintenance of electrical equipment.

Electrical commissioning & installed& handled equipments: Motors, Transformers, VCB, ACB, PCC, MCC, Lighting & Power Distribution Boards, numerical relays, Plant level Maintenance (Equipment tagging, Co-ordination of maintenance planning with Operations, etc)

1. Operation & maintenance of PCC, MCC, MPDB, LDB, LVS, Plant lighting.
2. Responsible of Maintenance and operation knowledge in electrical Panels, Transformers, isolators and lightning arrestors.
3. Responsible for maintenance & operation of starters & Basic operations of SCADA.
4. Maintenance & Trouble Shooting of AC/DC machines & Circuit Theory & Earthing concepts.
5. Operation and Maintenance of 220 KV switchyard (GIS), HT & LT switchgears, SF6, transformer, motors.
6. preventive maintenance, breakdown maintenance, planned maintenance ,AMC of various equipments
7. getting all kind of work done complying all processes as per ISO9001,OHSAS as per plan manual maintenance & in projects
8. Know working & utilization of ABB EMS system.
9. update all electrical data in SAP

EMS – Project Overview

- **I have also gain hands on experience in following area.**
- The EMS is Energy Management system (EMS), comprising the Electrical Distribution
- Management System (EDMS), Load Management System (LMS), PQ Control, NDR
- System and the Master Clock module.
- The EMS shall provide data acquisition, control and monitoring and Load shedding
- Facility for the RIL Hazira CCPP electrical system. The EMS shall appear as a system to the user, with consistent methods of operating, monitoring and reporting.) Knowledge of operational & understanding on SAP

Electrical power system in CCPP RIL, Hazira (key features)

Hazira CCPP Project (RIL)

- Hazira site will have four Steam Turbine Generators (STG) and five boilers. Steam generated by boiler will be used for power generation and for process plant.
- Electric power will be generated by Steam Turbine Generators.

- Each STG will be rated at 125 MVA with a rated voltage of 11 kV
- The output of the generators will be connected to main step-up transformer (MSUT).
- The 220kV step-up transformers will be connected to the CCCP 220 kV GIS and it will be connected to RIL's existing 220 kV switchyard via TIE breaker. For process plant at 33 kV and transmitted at 220 kV for other process plant.

PROFESSIONAL EXPERIENCE (2)

• JOY THOMAS ENGINEERING (P) LTD.

[ON WORKING SITE: RELIANCE INDUSTRIES LIMITED, SURAT]

I have working as plant **project/Maintenance engineer** in 350 MW gas based Captive Power Plant in RIL site, Hazira- manufacturing division, Surat (Gujarat)

TOTAL EXPERIANCE: 03 YEARS 11 MONTH

JOB DURATION : continues from APRIL-2012 to FEB.-2016

JOB ROLE:

I have gain hands on experience in following area.

1. Handling repair or replacement of faulty equipments and correcting any faults to ensure safety.
Maintenance of A.C. Drive, all type of HT & LT breakers, Power and auxiliary transformers, MCC, PCC panels. UPS Battery charger & earthing system.
Plan Maintenance of D.C. Drive, Transformer, MCC, PCC panels and all electrical equipments. Sub-station transformers Bus ducts, PCC panels, MCC Panels HT Motors/LT Motors LT drive Panels Main & Aux. Lighting Distribution boards Battery Banks & Chargers Earthing System Lightning System Knowledge in using advance/latest tool techniques.
- 2). Knowledge of basic electrical & trouble shooting
- 3) Leads a group of electricians & Supervisors.
- 4) Deep Knowledge about Electrical function, electrical operations and maintenance.
- 5) Able to analyze the daily reports & documents.
- 6) Knowledge & able to prepare and guide for Electrical cable ferruling, termination & glanding.
- 7) Able to find out the abnormal functioning of electrical devices & systems.
- 8) Aware about the handling & use of master instruments, PPEs & tools.
- 9) Prepares, plans for the maintenance, risk analysis etc
- 10) Prepares & presents departmental performance
- 11) Aware about the statutory & regulatory requirements within the function

12) Drives development, energy conservation initiatives within the function.

Electrical power system in RIL, Hazira (key features)

CPP built in phased manner

- Total installed capacity-350 mw
- 9*30 mw –GTG + 2*40 MW STG

Switch Yard

- CPP generation is backed up by state electricity grid at 220 KV level with double circuit.
- 220 KV switch yard has 4 grid transformer with rating of 50 MVA

Power generation \distribution system

- Generation voltage at 11 KV level
- Two generator having black start facility
- Power distribution at 33 level& plant level utilization at 6.6 KV & 415 v

Vital supporting system

- The GT have combustion feed by natural gas, naphtha & Hsd in mix mode
- The generators are installed with AVR system and complete protection through electronic relay system of m\s. ABB.
- Facility With Grid Support During Need Of Hour
- Reliable Electrical Equipments And Protection Scheme
- **Health, Safety & Environment (HSE)**

Exposure to various permit system like, permit to work, hot work, cold work, and vessel entry permit. Permit risk analysis.

PREVIOUS PROFESSIONAL EXPERIENCE (3)

● R.R ENGINEERING & ELECTRICALS

[ON WORKING SITE: RELIANCE INDUSTRIES LIMITED, SURAT]

TOTAL EXPERIANCE: 08 MONTH

JOB DURATION : from AUGUST-2011 TO MARCH-2012

JOB ROLE: ELECTRICAL ENGINEER

1. Tracking availability and allocation of Manpower and Resources of the company activity wise within the designated Unit(s) of the Complex.
2. Effective & optimum use of manpower and resources to avoid delays in execution and to ensure that priorities of designated Unit(s) are met.
3. Study of Project standards, specifications, drawings, if any with other disciplines across the designated Unit(s) of the Complex.
4. Prepare rolling quarterly look ahead for electrical materials with month wise requirements – tagged as well as bulk items - to generate enough front for execution across the designated Unit(s) of the Complex.
5. Coordinate with Unit Construction Manager(s) as well as other disciplines for generation of sequential work front across the designated Unit(s) of the Complex. many days look ahead and monthly / weekly (micro) plan formulation in consultation with Project control Engineers

ELECTRICAL PROJECTS

- A PROJECTS ON "**POWER LINE CARRIER COMMUNICATION**"
MARKS OBTAINED IN PROJECTS: 184 OUT OF 200

PERSONAL INFORMATION

- Date of birth : 23th Nov ,1990
- Gender : male
- Nationality : Indian
- Marital status : unmarried
- Languages known : English, Hindi, Gujarati.
- Communication address: A-103, shashwat residency,
Near Nakshtra Hights,
Near Pal-Canal Walkway
Near Pal Cng Pump,
Adajan-pal road,
Pal
SURAT:-395009(GUJARAT, INDIA)