



CHAITANYA PRASAD PITHANI



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DOB: May 9th,1994

Father's Name: P. Nageswararao.

Mother's Name: P.D. Lakshmi.

Skills Summary

- Good Organizing skills.
- Quick Learner and adaptable.
- Good Leadership skills & Team player
- Decision making ability.

OBJECTIVE

To be a part of your team of a leading and innovative organization and contribute towards its growth and success using with my dedication, hard work, skills.

PERSONAL PROFILE

- Assistant Manager.
- Chennai petroleum corporation limited
(A group company of IOCL & Govt of India Enterprise)
- March 2019 – present

EDUCATION

MA (Public admin) | Andhra university, Vishakhapatnam.

Year: 2nd Pursuing, Percentage: 84%

MBA (FINANCE) | Osmania University, Hyderabad

Year: 2nd Pursuing, Percentage: 8.5(CGPA)

PG Diploma (B.M) | Osmania University, Hyderabad

Year of Completion: 2020, Percentage: 8.0(CGPA)

M.Tech (control systems) | Andhra university, Vishakhapatnam.

Year of Completion: 2018

Percentage: 9.12(CGPA) | Ranking: Dept. - 1st.

B. Tech (EEE) | Swarnandhra college of Engg & Tech, Narsapuram

Year of Completion: 2015

Percentage: 80.90% | Ranking: Dept. - 2nd

Diploma (DEEE) | S.M.V.M polytechnic college, Tanuku

Year of Completion: 2012

Percentage: 88.74% | Ranking: Dept. - 3rd

SSC | SRI SIDDHARTHA E.M HIGH SCHOOL

Year of Completion: 2009

Percentage: 88.8% | Ranking: School - 1st, Village - 2nd

WORK EXPERIENCE

- Assistant Manager.
- Chennai petroleum corporation limited
(A group company of IOCL & Govt of India Enterprise)
- March 2019 – present

RESPONSIBILITIES

- Responsible for conducting “operational reliability management system” meetings.
- Responsible for testing of relays both electromagnetic and Numerical relays, in house and engaging vendors during shut downs.
- Responsible for feasibility study and implementation of new technologies, modifications, retrofitting, as outcomes of RCFA and RCM or vendor suggestions.
- Responsible for Cable fault identification.
- Responsible for conducting periodic reliability substation audits and identifying reliability related issues in substations.
- Co-ordination with projects & Maintenance departments & Audits.
- Responsible for Load shedding SCADA system maintenance, trouble shooting.
- Responsible for all electrical system study related issues such as fault level calculations, relay coordination, load flows, etc., for existing system, ongoing and upcoming projects.
- Responsible for conducting root cause failure analysis, for all electrical failures, for entire power system.
- Responsible for facilitating systemized root cause failure analysis, for all failures of any craft.

MAJOR ACHIVEMENTS:

- Implementation of Substation automation & integration & commissioning activity.
- More than 120 electrical RCFA (Root Cause Failure Analysis) conducted and 10 RCFA facilitated for other crafts.
- **Wrote advanced Electrical testing manual (Volume 1 &2), which was released by CPCL MD and published to all OIL companies.**
- **Introduction of thermography condition monitoring** task to increase interval of time based Preventive maintenance.
- Establishment of testing cell with test bench set up to carry out all electrical testing activities.

- Introduction of cable fault identification kit at CPCL through which many HT and LT cable faults were identified (more than 15 faults).
- Many consultant errors in system study and relay coordination activities were reviewed and reported for rectification to consultant at project stage itself so that the consultant outcome suits the CPCL electrical system.
- Training sessions were conducted to create awareness on reliability requirement and reliability approach to analyze a failure to both supervisory and non-supervisory employee.
- **Introduced Ultrasound inspection system** as a part of predictive maintenance.
- **Outsourced Testing cell activities** to increase the frequency of testing activities at lower cost.
- **Introduced Battery management system** to improve reliability of battery banks.
- **Awarded best scheme idea from CPCL management.**
- Carried out System study, protection system review, electrical system review, audit in CBR refinery, Nagapattinam during Commissioning stage.
- Carried out lightning protection study in CPCL.
- Involved in 12 shutdowns and carried out all electrical maintenance works, electrical equipment testing's.

WORKING KNOWLEDGE:

- Operation & Maintenance of 110 KV Switchyard.
- Operation & Maintenance of Indoor substations (11 KV).
- Maintenance & testing of Plant Electrical Equipments.
- Substation operation like Electrical parameter monitoring, Restoration of Power during emergencies, Giving electrical clearance for equipments DG sets Operation and maintenance.
- Preventive and Breakdown maintenance of equipments.
- Predictive Maintenance.
- Plant lighting maintenance, maintenance of communications like paging, Telephone and Wireless systems.
- Man Power Planning & Training Scheduling.
- Control wiring testing of equipment, calibration of meters and relays
- Budget preparation and Utilization (Both Revenue and Capital).
- Statutory Compliance, Coordination with Electricity Board & Electrical Inspectorate.
- To Ensure Compliance with requirements of ISO 9001 & 14001, IOC RTF, CEA, ISO, SHEQ.

- Procurement activities like Sending Enquiry, Offer validation, Order placement, Expediting, Technical evaluation and Material Receipt.
- Working Knowledge in SAP R/3 and involved in ISO documentation activities.
- Familiarity in Safety Rules and Regulations and Job Permit Systems in Petrochemical Plants.
- Sound knowledge in Electrical equipment testing especially Relays, C. T'S, P. T'S, Transducers, motors, transducers, Generators, Breakers, VFD'S, Drives, UPS, Reactors, capacitor banks, contactors, all type of meters.
- Testing knowledge on All types & models of ABB, SIEMENS, SCHNEIDER, L&T, SEPAMP, GE relays.
- Program & logic development experience on all high end relays.
- All type of relays, breakers retrofit experience.
- **Almost 1200 relays retrofit experienced.**
- Auto change over trouble shoot expert, can handle all type of panels, incomers, bus coupler trouble shoot & change over checks experience.
- Working experience on Plant shut down maintenance, almost worked for 6 plant shutdowns.
- Bad actor management.
- Obsolescence management.
- Having experience on cable fault detection, Location identification, Cable route tracing, Battery ground fault identification.
- Having good experience on Power quality& energy monitoring.
- Testing experience on Cable by using various methods such as VLF, TAN DELTA, OFFLINE P.D.
- Studied CPCL lighting protection adequacy study and given recommendations to overcome all the obstacles.
- All most implemented 100 plus recommendation given in various incident failure analysis.
- All most studied 70 plus incidents & trouble shouted the route cause analysis.
- Almost 20 plus scheme modifications provided in various substations to improve the reliability.
- Primary/Secondary injection for all types of CT, Transducer, electromechanical relays, numerical relay (ABB, Schneider, Siemens, L&T, and GE) and extraction of data from relays for analyzing.
- Condition monitoring involves Battery management system (Fluke) and Thermography (Fluke).
- Fault attending and problem solving for SCADA panels (L&T), HT/LT cable Fault finding.
- GT(22MW) relay panel testing, 110KV line relay panel testing, Retrofitting, Relay coordination reviews by downloading data from the respective incomers relays, checking auto change over

schemes. Substation Electrical equipment installation, Maintenance, HT/LT power cables fault attending.

- Preventive Maintenance of panels, HT/LT motors, transformers, UPS, VFD, PCC, MCC and DCDB panels.
- Review of technical documentation and electrical drawings.
- Diagnosed and resolved machine operation variations and equipment problems, including HT/LT motors.
- Verification of all types of electrical panel drawings, VFD, UPS, field (Siemens, ABB, Areva, Schneider, L&T, Voltas, C&S).
- Coordinated for Digitalization /Dash boards development.

COMMISSIONING EXPERIENCE:

- Installation & Commissioning of Energy monitoring system.
- Installation & Commissioning of 6.6KV motor.
- Installation & Commissioning of 6.6 KV Switchgear Panels.
- Installation & Commissioning of 2 X 30 KVA GUTOR make UPS system for Yokogawa make DCS.
- Installation, Commissioning & programming of Variable speed drives from 3.7 KW to 315 KW.
- Installation & Commissioning of Grid Trip out system, working on Allen Bradley.
- Successful implementation of Substation automation & integration project.
- Retrofitted nearly 1200 Numerical based relays of Siemens, Micom, ABB, GE, AREVA so on.
- Commissioning experience on CPCL-FCCU GDS plant, and VFD, UPS, electrical panels.

PRODUCT EXPOSURE:

- GE Fanuc I-fix SCADA.
- NGEF, CGL & HHE Make Power Transformer.
- ABB, SIEMENS Make Variable speed drives.
- BHEL, ABB Make EHV MOCB & SF6 Breaker.
- SIEMENS make 110KV SF6 Breaker.
- English Electric, ABB, Micom, Siemens, GE, L&T, AREVA Make Protective relays (Numerical & Electromechanical , static relays).
- Schneider (Unity Pro), Allen Bradley (Micrologix) PLC.

- NGEF, CGL, Kirloskar, BHEL, ABB, Toshiba make LT & HT motors (Induction & Synchronous motors). ranging from 0.55 KW to 4500KW.
- Rotork, Limitorque make Motorized Valves.
- Rishabh Transducers.
- Electrical panels (ABB, Siemens, Schneider, L&T, C&S, NGEF, Voltas).

KITS HANDLING EXPERIENCE:

- Thermography: FLUKE TI480 Pro, FLIR I40, FLIR E96.
- Testing kits: Megger Sverker 780, Kingsine K68i, Omicron CMC 356, CMC 256 , Espie Esp3050.
- Cable Tests: Megger VLF Sinus 34KV.
- Cable Fault Identification: Telemetrics SWT 16D, Electroons systems ST-16 with SLE 90 Surge wave receiver & TFL-8.
- Battery ground fault tracer: Megger 246100c-47.
- Path finder: Stanlay ST LOC10.
- Power & quality Energy meter: FLUKE 773.
- DSO: OWON
- High voltage detector: Motwane HV50.
- BMS: Fluke BA BT521, Torkel 910.
- All types of clamp meters, mustimeters, Pyrometers, Meggers, insulation testers.
- Ultrasound inspection: UE 10000, 9000.
- Phase rotation checkers, C.T Testers, Primary injection, Secondary injection.

PROFESSIONAL STRENGTH:

- Trouble shooter.
- **Relay programmer.**
- Relay Logic developer.
- Expert in Incident analysis & fault analysis.
- RRM, REM, ORMS, RCM representative from CPCL.
- **EnMS: ISO 50001 international certified Lead auditor.**
- **International Level-1 certified Ultrasound inspector.**
- **CPCL – ISO SHEQ, EnMS, RTF auditor.**

- **Electrical Auditor cum inspector.**
- Electrical protection system Engineer.

SOFTWARE EXPOSURE:

- MAT LAB
- AUTO CAD, ProgeCAD.
- ARDUINO and PROTEUS
- SAP
- Easergy studio
- Rey disp
- Micom S1 Agile
- PCM 600
- FLUKE IR
- FLUKE BA
- MOXA
- UNITY PRO
- Enervasta
- SFT2841
- DIGSI4.
- DIGSI5
- ACS880
- EASY PROT
- VIJEO TEC
- C, C++, JAVA
- PYTHON.
- UE DMS 6.0

HARDWARE EXPOSURE:

- Practical Implementation of circuits
- Panel Wiring.
- All electrical equipment testing and simulation.

- Relay programming.
- soft logics development.
- Auto change over logics builder
- Load shed.

CORE STRENGTH:

- Power systems
- Substations
- Electrical Machines
- Control systems
- Electronics,
- Relays, UPS, VFD, DRIVES,
- Electrical panels, Electrical testing, Trouble shoot.

INDUSTRIAL TRAINING

Organization : THE ANDHRA SUGARS LTD..., Saggonda branch.

Duration : 3-12-2011 to 25-05-2012.

Designation : Graduate Engineer Trainee.

TRAININGS OR SEMINARS ATTENDED:

| S. NO | SUBJECT | VENUE/CONDUCTED BY |
|-------|--|-------------------------|
| 1 | RCFA/Risk assessment training by CPCL | Chennai/CPCL |
| 2 | Power system protection for engineers | Chennai/CPCL |
| 3 | Numerical Relay Commissioning | Chennai/CPCL |
| 4 | Core Course III Maintenance In Instrumentation & Electrical Module | Chennai/CPCL |
| 5 | Level 1 Ultrasound Certification Course | Chennai/UE Systems, U.S |
| 6 | Behavior Based Safety | Chennai/CPCL |
| 7 | ISO Lead Auditor Training 50001:2018 | Chennai /BV |
| 8 | Vigilance Awareness & Preventive Vigilance | Chennai/CPCL |

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|----------------------------|---|----------------------------------|
| 9 | Sap Users Champ - Plant Maintenance | Chennai/IOCL. |
| 10 | Fire And Safety | Chennai/CPCL |
| 11 | Oil Movement Storage And Tank Operations | Chennai/CPCL |
| 12 | Energy Auditors For Energy Management System (Enms) ISO 50001:2018 | Chennai/CPCL |
| 13 | Earthing System And Practices - Relevant Standards & Code Of Practices | Chennai/CPCL |
| 14 | PRO ACTIVE LEADERSHIP | FYMC, Chennai |
| 15 | FIRST AID & OHS | Chennai/CPCL |
| 16 | MS EXCEL - ADVANCED LEVEL | SKILLWISE CONSULTANT, CHENNAI |
| 17 | TEAM BUILDING | FYMC CHENNAI |
| 18 | PUBLIC INTEREST DISCLOSURE & PROTECTION OF INFORMERS (PIDPI) | Chennai/CPCL |
| 19 | PREDICTIVE MAINTENANCE | IOCL,HALDIA |
| 20 | Siemens Relay | Siemens,Goa |
| Training Conducted: | | |
| 1 | Training on Handling Numerical relays | Chennai/CPCL |
| 2 | Training on Electrical reliability improvement | Chennai/CPCL |
| 3 | Training on Power Distribution in CPCL | Chennai/CPCL |
| 4 | Training on Partial Discharge | Chennai/CPCL |
| 5 | Faculty for Core Course Module II | Chennai/CPCL |
| 6 | Faculty for Electrical safety training | Chennai/CPCL |
| 7 | Faculty for SRM University Professors latest techniques in Electrical system | Chennai/CPCL |

Certification

- Post Graduate Diploma in **Computer Applications** from INFOTECK.
- Poly skills & Proge CAD from SDC, **SBTET-A.P.**
- AUTO CAD from Centre for Professional Learning & Research.
- Certified international Lead auditor from ISO: 500001 EnMS.
- Certified international level-1 Ultrasound inspector.

PROJECTS:

- **M.Tech:** Current measurement & monitoring using Hall effect concept.
- **B. Tech:** A Hybrid Solar and Wind energy power systems.
- **Diploma:** A model of thermal power plant.

Achievements

- **Department 1ST** in M. Tech, Andhra University
- **Member** in Institute of Engineering and Technology, U.K.
- AP PGECET RANK **27**, TS PGECET RANK **28**, Qualified in **GATE**.
- Won prizes in Debate, Essay writing in University level competitions.
- Elected two times as **Joint secretary** in CPCL -CLUB.
- Awarded best scheme idea from CPCL management.
- Won prizes in Badminton, cricket, carom in University level competitions.
- Worked as Organizing committee joint-secretary for XXVIII National level PSPB Inter unit CARROM Tournament.
- Manager for CPCL cricket team and participated in PSPB nationals at Jaipur.

Extra Circular Activities & Interests

- **Main coordinator** for TECHNO SCET-2k14,2K15 fest.
- Active coordinator and **Project Officer** for APSDC by **SIEMENS** at ANDHRA UNIVESITY.
- Participated in few Papers, Poster Presentation, Seminars, and Workshops in National level fests.

Declaration

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

Date:

(Chaitanya Prasad Pithani)