

Niral P Patel

Ahmedabad, Gujarat, India

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EDUCATION / CERTIFICATION:-

Bachelor of Engineering in Electrical Engineering. /June 2013

Gujarat Technological University, Gujarat, India

PROFESSIONAL SUMMARY – ELECTRICAL ENGINEER

Skilled engineering professional in Electrical Engineering and 8+ years of experience in firms working on designing, deploying and supporting electrical equipment's within system specifications, testing & commissioning of projects electrical, machine installation and low current systems.

Resourceful, analytical and detail-driven with capabilities in completing multiple Electro-Mechanical on-site projects with competing deadlines. Strong interpersonal skills; interface effectively with coworkers, management, suppliers and client.

CORE STRENGTHS: -

- Exceptional knowledge of engineering principles and concepts. Successfully completed number of Industrial/Commercial high value projects.
- Switchgear, DG Set and UPS sizing.
- Transformer and Bus-duct installation.
- Voltage drop and fault current calculation.
- Cable Sizing.
- Lightning Protection and Earthing system.
- Fire hydrants /Fire Alarm / Data/ CCTV system.

SKILLS:-

- AutoCAD
- SAP
- MATLAB
- Microsoft Office Proficiency

Work Experience:-

Q PLUS POWER SERVICES

Service Engineer | Ahmedabad, Gujarat - India | July 2013 - February 2015

- Maintenance of Electrical Oil cooled transformer and Dry type of transformer.
- Assist in the testing and inspection of transformers, find and rectify the oil leakage of the transformer.
- Assist in the designing and implementation of the LT wiring diagram.
- Measuring the Earth Pit value and calibrate, check it for being suitable of running electrical equipment.
- Measure and calibrate the breakdown voltage capacity of oil in the LT and HT Transformer.
- Calibrate the incoming and outgoing voltage ratio in transformer.
- Servicing and installation of Air Circuit breaker and Vacuum circuit breaker.
- Installation of LT and HT electrical equipment like panel and motors.
- Led and participated in Maintenance with Project Manager, Senior Electrical Engineers, QS, QC, Safety and other team members from start up through close out.
- Worked with vendors and consultants for inspection and approvals of drawings from government authorities.

AMNEAL PHARMACEUTICALS PVT LTD.

Officer | Ahmedabad, India | March 2015 - May 2018

Projects:

Manufacturing area Construct & Development, R & D Labs and Warehouse, Electrical equipment Installation and Testing

- Install, operate and maintain electrical control systems and solid state equipment like chiller, Air Compressor, Water System, Air Handling unit.
- Assist the design, development and testing of electronic components – Transformer, High Tension circuit Breaker, and equipment.
- Erection of LT and HT Panel, Gang operating Device (GOD) for expansion of increasing power demand.
- Test and Inspect machines and equipment to assist the officer in corrective action of production problems.
- Commissioning of power Control Center and Synchronizing Panel, Transformers and DG sets and uninterrupted power supply (UPS).
- Carry out preventive and breakdown maintenance.
- Prepare layouts and drawings of electrical components/equipment to be used for testing, setup, and manufacturing.
- Tests pre – existing designs and modify electrical prototypes, parts, assemblies, and systems to correct functional deviations.
- Train the Subordinates to handle the systems.
- Performed load calculation for sizing wire and circuit protection.
- Prepared single line diagrams, load schedule, cable sizing based on voltage drop, capacitor bank calculation for Power factor improvement in Electrical Installation.
- Interaction and coordination with Civil/ Plumbing/ Firefighting/ HVAC/ BMS and other specialized contractors.
- Organized and attended meetings with Head of the Department and prepared progress reports.
- Worked with vendors and consultants for inspection and approvals of drawings from government authorities.
- Worked as per cGMP and FDA Regulations.

ATLAS LIFESCIENCES (a division of atlas dyechem (India) Pvt Ltd)

Executive | Ahmedabad, India | Dec 2018 - March 2019

Projects:

API Manufacturing Unit, Quality Control Labs and Offices, Electrical equipments Installation and Testing

- Prepare conceptual and preliminary electrical load details, Power flow diagrams, Services layout including HVAC, Plumbing, and Firefighting drawings.
- Assist in the installation of Glass Vessel and Mixtures used in API Manufacturing.
- Inspect and Check the Solar system, which is installed by out-side agency.
- To do sizing of Transformer, DG set, UPS, Switchgear with consideration of parameters of motor and other inductive loads, maximum future expansions & backups required to run system preventive, stable & efficient for long period without power shortage or failure.
- To do cable sizing, Voltage drop calculation, Fault calculation considering important parameters to design stable, preventive & efficient electrical system, Prepare Lightning protection & Earthing layout.
- Prepare single line diagrams for H.T. & L.T. distribution panels showing required metering and switchgear protections.
- Studying the specification, bill of quantities.
- Prepare close-out documents related to training of different systems, operation & maintenance manuals of project.
- Worked with vendors and consultants for inspection and approvals of drawings from government authorities.

Intas Pharmaceuticals Ltd (Plasma Fractionation Unit),

Executive | Ahmedabad, India | March 2019 – Oct 2019

Project:

Injectable Manufacturing Facilities & Developments, Electrical equipments Installation and Testing

- Carryout Maintenance and installation of electrical machinery and equipments, the like of water injection machines, Man handling tools and Diesel Generating set.
- Assist in the designing and development of air conditioning system for production facilities.
- Commissioning of power control center and synchronization panel
- Carryout maintenance, testing and calibration of electrical equipment like motors, Meters and PCB.
- Responsible for installation of production machinery like filling line and storage chamber.
- Handling Log sheet related to electrical system and present it on inspection
- Coordinating with subordinates and outsider agencies.
- Prepare conceptual and preliminary electrical load details, Power flow diagrams/Layouts.
- Prepare drawings for Fire Alarm and Central monitoring emergency lighting system.
- Worked with government authorities & consultants for inspection and approvals of drawings and site works as per GMP and FDA Regulations

Cadila Pharmaceuticals Ltd,

Executive | Ahmedabad, India | Nov 2019 – Till Date

Project:

Manufacturing unit & corporate office, Electrical equipments Installation and Testing

- Install, operate and maintain electrical control systems and solid state equipment like chiller, Air Compressor, Water System, Air Handling unit.
- Assist the design, development and testing of electronic components – Transformer, High Tension circuit Breaker, and equipment.
- Erection of LT and HT Panel, Gang operating Device (GOD) for expansion of increasing power demand.
- Test and Inspect machines and equipment to assist the officer in corrective action of production problems.
- Commissioning of power Control Center and Synchronizing Panel, Transformers and DG sets and uninterrupted power supply (UPS).
- Carry out preventive and breakdown maintenance.
- Prepare and Maintain single line and control wiring diagram.
- Provide technical assistance in resolving electrical engineering problems encountered before, during, and after installation.
- Prepare Diagram and Install VRV system at corporate office.

REFERENCES: Available on request