



Mihir Patel

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Career Objective

Electrical Engineer

As an Electrical Control Engineer with varied professional experience in multi-disciplined engineering teams I'm Expert in Transformer Design as well as control and protection design of transformer. Specialize in project design manufacturing design improvements and team leadership. Strong engineering professional skilled in Power Systems, Engineering, PLC, SCADA, Switchgear, and Electrical Engineering.

Professional Experience – 2 Years

Electrical Design Engineer

Transformers & Rectifiers India Limited

Dec 2018 – Present

- Worked on mainly customer specifications, inputs, implement the better design of the Transformers up to 25 MVA, 66 KV Class.
- Perform detailed Electrical design including all design calculations meeting customer and International standards requirement.
- Analysis of the Short Circuit performance of transformer design using “PROF. ANDERSON’S” software (Netherland), and transformer loss calculation, Impedence calculation leakage flux analysis.
- Detail calculation of Thermal design, overloading and magnetic field analysis.
- Prepare detail procurement data for core, copper, tap changer, insulation, cooling equipment etc
- Prepare winding assembly, insulation coordination, winding sheet, lead position detail, test data etc.
- Prepare designs and evaluate for optimization and ease for manufacturing.
- Preparation of Tender Quotation, Validation as per Technical Specification.
- Provides design training and technical assistance to other design engineers.
- Made control drawings of Power/Autotransformers, Reactors, special transformers.
- Co-ordination with purchase, production, marketing, quality & all the suppliers regarding technical points.
- Responsible for achieving better design & output.
- Carried out design coordination meetings with the customers.
- Carried out drawing approval meetings with the customers.

Control Design Engineer

Transformers & Rectifiers India Limited

June 2018 – Dec 2018

- Worked on mainly customer specifications, inputs, for making design of the transformer Panels, Marshalling Box and Cooler Control.
- Made control drawings of Power/Autotransformers, Reactors, special transformers.
- Co-ordination with purchase, production, marketing, quality & all the suppliers regarding technical points.
- Carried out design coordination meetings with the customers.
- Carried out technical discussions/meetings with all of the vendors, internal teams & partial customers.
- Carried out drawing approval meetings with the customers.

Graduate Engineering Trainee - Design

Transformers & Rectifiers India Limited

June 2018 – Dec 2018

- Worked on mainly customer specifications, inputs, for making design of the transformer Panels, Marshalling Box and Cooler Control.
- Made control drawings of Power/Autotransformers, Reactors, special transformers.
- Co-ordination with purchase, production, marketing, quality & all the suppliers regarding technical points.
- Carried out design coordination meetings with the customers.
- Carried out technical discussions/meetings with all of the vendors, internal teams & partial customers.
- Carried out drawing approval meetings with the customers.

Professional Qualifications and Affiliations

- “Digital Helmet” Patent Filed
- “Digital Helmet” Paper Published on IJSRD
- “Live Pace Charger” Paper Published on IJSRD

Skills

- Project Management
- Team oriented and results driven
- Research and Development

Technical Skills

❖ Software

- AutoCAD
- Fox-Pro (Transformer Design)
- Anderson
- E-Plan
- MS-Office
- PLC Software's

Personal Interests

- Blogging
- Reading
- Anchoring
- Chess
- Swimming

Personal Details

Father's Name: Rameshbhai R Patel
Birthday: November 16, 1995
Gender: Male
Marital Status: Single
Nationality: India

Declaration

I, **Mihir Patel**, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.



Mihir Patel (Ahmedabad, Gujarat)