



Rahul Dwivedi

Electrical Engineer

Contact

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About Me

Design Engineer with hands-on experience in **transformer manufacturing** and a strong foundation in transformer design principles, including electromagnetic, thermal, dielectric, and loss optimization aspects. Seeking a **transformer design engineering role** to apply manufacturing insights toward efficient, reliable, and cost-effective designs.

Skills

- Problem-Solving & RCA
- Transformer's Material Knowledge
- Testing & Validation Knowledge
- AutoCAD
- Design Documentation
- MATLAB
- IS standards

Education

- Master of Technology**
Rajiv Gandhi Proudyogiki Vishwavidyalaya 2023 - Present
- Bachelor of Technology 8.20 CGPA**
Rajiv Gandhi Proudyogiki Vishwavidyalaya 2019 - 2023
- 12th, Percentage: 79%
Madhya Pradesh Board of Secondary Education 2018 - 2019
- 10th, Percentage: 77%
Madhya Pradesh Board of Secondary Education 2016 - 2017

Experience

- Electrical Engineer**
Atlanta Electrical Ltd. 11/2025 - Present
 - Ensure 220 kV, 160 MVA transformer components comply with approved drawings and specifications.
 - Coordinate with design teams to resolve manufacturability, clearance, and insulation issues.
 - Review winding, core, insulation, and assembly documents for 220 kV class transformers
 - Support inspections during core building, winding, active part assembly, and tanking.
 - Monitor routine and type tests (**IR, PI, ratio, impedance, MBT**) for 220 kV compliance.
 - Perform preliminary root-cause analysis on insulation, dielectric, and alignment issues.
- Electrical Engineer**
Tesla Transformers (Global) Pvt. Ltd 06/2023 - 10/2025
 - Ensured power and distribution transformers complied with design drawings, specifications, and IEC/IS standards
 - Collaborated with design engineers to resolve manufacturability issues and recommend design improvements
 - Reviewed technical drawings, BOMs, and insulation schemes for accuracy and feasibility
 - Supervised routine, type, and special tests and analyzed results against design intent
 - Monitor routine and type tests (**IR, PI, ratio, impedance, MBT**) for 220 kV compliance.
 - Performed root-cause analysis on winding, insulation, thermal, and core-related issues to improve design reliability

PROJECTS

- Light Fidelity (Li-fi)**
Tesla Transformers (Global) Pvt. Ltd 01/2023 - 05/2023
 - Li-Fi is a bidirectional wireless system that transmits data via LED or infrared light.
 - Developed a wireless communication technology based on visual light waves where the visible light spectrum is used for the transmission of data.
 - Implemented innovative technology for wireless communication using light.