BADUGU MOSES

Electrical Engineer — Commissioning & Design

Andhra Pradesh | +91 86889 82223 | ipanonymous575@gmail.com | LinkedIn: moses03

PROFESSIONAL SUMMARY

Electrical Engineer with hands-on commissioning experience and growing exposure to substation electrical design — load calculations, protection & earthing system design, and drawing/study work in ETAP and AutoCAD Electrical. Comfortable across the project lifecycle from design intent through site execution and IEC-standard compliance. Targeting Substation Design, Electrical Design, or EPC design-track roles in power systems and renewable energy.

TECHNICAL SKILLS

Design& Analysis Tools:ETAP (load flow & short circuit study basics), AutoCAD Electrical, MATLAB/Simulink, MS Office

Design Engineering: Load calculation, substation design (basics & execution), protection & earthing systems, lightning protection system (LPS) execution, SLD prep., cable & breaker sizing, 33/11kV works

Commissioning: Transformer & panel installation,Generators & UPS commissioning, site coordination, client handover documentation

Standards: IEC Standards, Fire & Safety compliance

PROFESSIONAL EXPERIENCE

Commissioning & Site Electrical Engineer | *Oct 2025 - July 2026*

Industrial Power Solutions, India

- Performed load calculations and reviewed electrical design drawings for 33/11kV substations, ensuring compliance with IEC standards before site execution
- Supervised installation and commissioning of transformers, PCC panels, and lighting systems across 2 sites, bridging design intent and field execution
- Executed & tested lightning protection and earthing systems, verifying against calculated design values
- Coordinated with design and site teams to resolve discrepancies between drawings and as-built conditions
- Prepared technical reports, as-built documentation, and client handover packages
- Supported project scheduling across design review and commissioning phases to maintain delivery timelines

PROJECTS

State-Commissioned Electrical Infrastructure Project

Commissioning & Site Engineer Role

- Managed installation and testing of electrical infrastructure including transformers and protection systems
- Verified design specifications on site and ensured adherence to safety standards
- Coordinated with design and execution teams to troubleshoot commissioning issues
- Delivered project documentation and reports for client approval

Final Year Project — AC Transient Overvoltage Suppression in LCC-HVDC Systems

- Developed a control strategy to suppress AC transient overvoltage in LCC-HVDC systems
- Improved voltage stability through reactive power optimization and delay compensation
- Studied integration of wind power systems into high-voltage transmission environments

INTERNSHIPS

- Schneider Electric — Summer Internship Program
- DIYGuru — Battery Management Systems

EDUCATION

B.Tech, Electrical & Electronics Engineering | Sep 2022 – Apr 2025
SRK Institute of Technology (JNT University, Kakinada)
CGPA: 7.31 / 10

Diploma, Electrical & Electronics Engineering | Jun 2019 – May 2022
Vikas College of Engineering, India
Score: 78.52%

CERTIFICATIONS

- ABB — Power Quality Application Training
- Fire & Safety Certification — Government of India

LANGUAGES

- English - (Proficient)
- Hindi - (Intermediate)
- Telugu - (Native)

DECLARATION

I hereby declare that the information provided above is true to the best of my knowledge and belief. If any discrepancy is found, I will be responsible for it.

B.MOSES