PRASANTH P

Junior Electrical Engineer | Testing & Commissioning

Kottayam, Kerala, India | +91 7994765071 | dpprasanth436@gmail.com | linkedin.com/in/prasanth-p-electrical

PROFESSIONAL SUMMARY

Junior Electrical Engineer (B.Tech, Electrical & Electronics Engineering, 2025 batch) with hands-on experience in electrical testing, functional checks, fault diagnosis and commissioning support of DG sets, SMPS/rectifiers and battery banks at live sites. Skilled in reading single-line diagrams (SLD) and layout drawings, verifying equipment against specifications and test procedures, and preparing test reports and commissioning documentation through to deficiency closure. Exposure to protection systems, switchyard, generators and HT/LT equipment at a hydroelectric power station. Strong safety discipline, quick learner, and effective coordination with site technicians, vendors and project teams. Open to site-based work and relocation across India.

CORE COMPETENCIES

Testing & Commissioning: Electrical testing | Functional checks | Commissioning support | Fault diagnosis and troubleshooting | Continuity and circuit verification | Earth resistance measurement | Wiring and configuration verification

Power Systems & Protection: Substation and power plant operation (exposure) | Switchgear and switchyard (exposure) | Protection systems (exposure) | HT/LT systems (exposure) | Generators | DG sets | SMPS/rectifiers | Battery banks

Documentation & Compliance: Test reports | Site inspection reports | Punch list and deficiency tracking | Electrical safety standards | Test procedures and specifications

Teamwork & Communication: Site team, vendor and project team coordination | Written and verbal communication | Willingness to learn

Instruments & Software: Multimeter | Clamp meter | Earth resistance tester | AutoCAD | MS Office (Word, Excel, PowerPoint)

PROFESSIONAL EXPERIENCE

Graduate Apprentice - Operations & Maintenance Engineer **Oct 2025 - Present**

Indus Towers Limited, Kottayam, Kerala, India

- Perform electrical testing, functional checks and verification of DG sets/generators, SMPS/rectifiers and battery banks against site specifications, test procedures and safety standards at live sites.
- Carry out wiring and configuration verification, continuity and circuit checks and earth resistance measurement using multimeter, clamp meter and earth tester.
- Review single-line diagrams (SLD) and electrical layout drawings to verify correct equipment configuration and installation compliance.
- Troubleshoot electrical faults and identify non-conformances; coordinate with site teams, vendors and project teams through to deficiency closure.
- Prepare test reports, inspection records, maintenance logs and commissioning documentation.
- Follow electrical safety procedures and project requirements on live electrical systems.

Internship - Malankara Hydroelectric Power Station **5 Days**

Kerala State Electricity Board Ltd. (KSEB), Muttam, Idukki, Kerala, India

- Observed generator and switchyard operation, load management and real-time monitoring at a utility-scale power plant, with exposure to protection systems and HT/LT equipment.
- Studied generator performance and electrical safety protocols for high-voltage systems.

ACADEMIC PROJECTS

- Dual-Switch Enhanced Gain Boost DC-DC Converter: Designed and tested a 25 V to 120 V power conversion system using a dsPIC microcontroller and gate driver; verified performance against design specification through structured functional testing.
- Buck Converter (30 V to 15 V): Built and tested a step-down voltage regulator, applying electrical measurement and test-verification principles.

EDUCATION

B.Tech, Electrical and Electronics Engineering **2022 - 2025**

Government Engineering College, Thrissur, Kerala

Diploma, Electrical and Electronics Engineering **2019 - 2022**

Government Polytechnic College, Kottayam, Kerala