Nafees Kamal

TESTING & COMMISSIONING ENGINEER

[Patna, India] | [+91-6205277498] | [nafeeskamal0000@gmail.com]

EDUCATION

Bachelor of Technology in Electrical and Electronics Engineering
Maulana Azad College of Engineering and Technology - 2026

PROFESSIONAL SUMMARY

Testing & Commissioning Engineer with **6 months of hands-on experience** at **Emin Electrical Engineering Pvt. Ltd.**, with project exposure at **Adani Thermal Power Plant** and **Schneider Electric Infrastructure Ltd.** Experienced in **LV and MV panel testing and commissioning**, including **AIS and GIS switchgear**. Hands-on experience in **CRM, Hi-Pot, breaker timing, polarity, winding resistance, IR, CT/PT ratio testing, control checks, BOM verification, SLD and DIS review**. Familiar with electrical drawings, pre-commissioning activities, troubleshooting, testing documentation, and electrical safety procedures.

PROFESSIONAL EXPERIENCE

Testing & Commissioning Engineer

Emin Electrical Engineering Pvt. Ltd. [June-2026] – Present

Client:- Adani Thermal Power Plant | LV Panels

- Assisted in testing and commissioning of **LV electrical panels**.
- Performed **Contact Resistance Measurement (CRM)** testing.
- Performed **polarity testing** and **breaker timer/timing testing**.
- Performed **winding resistance testing**.
- Performed **Hi-Pot / High Voltage testing** according to approved procedures.
- Performed **Insulation Resistance (IR) testing**.
- Conducted pre-commissioning inspections of panels, wiring, busbars, cable terminations, and connections.
- Checked panel wiring and connections against **SLDs and electrical drawings**.
- Assisted in troubleshooting and rectification of electrical issues.
- Maintained testing records, checklists, and commissioning documentation.

Client:- Schneider Electric Infrastructure Ltd. | MV Panels – AIS & GIS

- Assisted in testing and commissioning of **MV panels in AIS (Air Insulated Switchgear) and GIS (Gas Insulated Switchgear) sections**.
- Performed **polarity testing** and **winding resistance testing**.
- Performed **CT/PT ratio testing** and recorded test results.
- Performed **control circuit checks** and verified control wiring as per approved drawings.
- Reviewed and verified **BOM (Bill of Materials)** against panel/equipment requirements.
- Read and checked **SLD (Single Line Diagram)** for panel and system connections.
- Reviewed **DIS/detailed inspection or design documentation** as applicable to the project.
- Assisted in checking panel wiring, connections, cable terminations, and electrical components.
- Assisted with functional testing and troubleshooting of MV switchgear.
- Maintained testing records, inspection reports, and commissioning documentation.

TECHNICAL SKILLS

Switchgear: LV Panels | MV Panels | AIS | GIS
Electrical Testing: CRM | Hi-Pot | Breaker Timing | Polarity | CT/PT Ratio | Winding Resistance | IR Testing | Control Checks
Engineering & Documentation: SLD Reading | DIS | BOM Verification | Electrical Drawings | Control Circuit Checks | Cable Termination Inspection | Pre-Commissioning | Testing Documentation
Other: Electrical Troubleshooting | Site Inspection | Electrical Safety | PPE | HSE Procedures