RAJAL BAGHEL

Junwani, Bhilai , Chhattisgarh 490020 , India

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Assistant Electrical Engineer

Professional Profile

Electrical Engineer with hands-on experience in a 15 MW Captive Power Plant. Skilled in control room operations, load management, HT/LT motor maintenance, electrical troubleshooting, switchgear operation, motor testing, technical reporting, preventive maintenance, and shutdown activities. Seeking opportunities in power generation, substation, testing & commissioning, and industrial electrical engineering.

Education

RUNGTA COLLEGE, BHILAI [2023 -2026]

Bachelor's in Electrical Engineering

SARDAR PATEL UNIVERSITY, BALAGHAT [2019-2022]

Diploma inElectrical Engineering

Work Experience

Raipur Power and Steel Limited - Electrical Engineering Intern [Feb 2025 - Aug 2025]

- Assisted in technical documentation and reporting
- Assisted in HT/LT motor maintenance and troubleshooting activities.
- Supported switchgear inspection and preventive maintenance programs.
- Participated in electrical testing and fault-finding activities.
- Gained exposure to control room operations and plant electrical systems.

Raipur Power and Steel Limited - Assistant Electrical Engineer [Aug 2025 - Present]

- Operate and monitor electrical systems of a 15 MW Captive Power Plant.
- Perform control room activities, load management, and power distribution monitoring.
- Carry out maintenance and troubleshooting and testing of HT/LT motors and electrical equipment.
- Executed control wiring and troubleshooting as per electrical schematics.
- Support shutdown, preventive, and breakdown maintenance activities.
- Prepare technical reports, maintenance records, and operational documentation.
- Supported troubleshooting of switchgear and control panels.

Key Skills

- HT/LT Electrical Systems
- SLD Reading and Electrical Drawing
- Testing & Commissioning
- Electrical Safety
- Switchgear (VCB/ACB/MCCB)
- Site Supervision
- Substation fundamentals
- Transformer Maintenance
- Documentation & Reporting
- Vendor Coordination

KEY ACHIEVEMENTS

- Successfully reduced motor downtime through effective troubleshooting and preventive maintenance.
- Supported commissioning and testing activities with zero safety violations.
- Improved equipment reliability through systematic testing and inspection practices
- Executed testing activities with high accuracy and timely completion.
- Contributed to improved system reliability through preventive testing programs.

Language

- English (Speak / Write)
- Hindi (Speak / Write)