

# NIKHIL RAJPOOT

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Harpalpur (MP) | 7748842998 | nikhilrajpoot103@gmail.com|www.linkedin.com/in/nikhil-rajpoot-261906241

## Profile

Electrical Engineer with 2+ years of experience in transformer after-sales service and customer quality across Pan-India projects. Expertise in testing, failure analysis, and RCA/8D methodologies. Proven ability to coordinate with cross-functional teams and ensure compliance with safety and quality standards for utility, railway, and metro projects.

## Experience

### JSTI Transformers

Engineer – Quality & After sales

May 2025 – Present

- Performed inprocess inspection during Winding, Core, Filtration and PDI.
- Performed low voltage test (Ratio test, MBT, IR )
- Manage after-sales service operations across Pan-India and international locations, ensuring timely resolution of customer complaints and service requests.
- Plan, deploy, and manage service manpower, including 9 technicians and 1 service engineer, at customer sites based on complaint criticality and operational requirements.
- Execute and monitor preventive, breakdown, and corrective maintenance activities for Vande Bharat traction transformers as per approved shop and site maintenance schedules of Indian Railways.
- Conduct root cause analysis (RCA) using 8D methodology and Why-Why analysis and implement corrective and preventive actions (CAPA) to avoid recurrence.
- Prepare Cost of Poor Quality (COPQ) reports related to service failures, warranty claims, and field issues, and support cost reduction initiatives.
- Support warranty and out-of-warranty transformer service activities, including service planning and spares coordination.

### KALPATARU PROJECTS INTERNATIONAL LIMITED – BHOPAL METRO

Sr. Supervisor – Project Execution Dec2024 – May 2025

- Monitoring and operation of 33KV Controls and relay panels
- Troubleshooting of 33KV panels
- Responsible for 132KV Switchyard maintenance.
- Electrical safety management
- Work and Manpower management, ensuring ShiftWise availability for day-to-day task.

### CG POWER AND INDUSTRIAL SOLUTIONS LIMITED – GWALIOR

GET (After Sales Service)

Oct2023 – Oct2024

- Performed routine test after CCA completion ( Ratio test, MBT, Winding resistance and Vector group verification)
- Created and managed service orders, repair cards, and FIRs for transformer repairs.
- Conducted on-site erection, commissioning, and testing of transformers, ensuring compliance with industry standards and customer specifications.
- Supervised and oversaw the repair of high-voltage transformers (11KV to 132KV) and loco transformers (5.725MVA & 7.775MVA).
- Conducted diagnostic tests, such as ratio testing, MBT, vector group analysis, Insulation resistance testing, and tan delta measurements, to identify and address equipment issues.

## Internship

### NEWSOL PV POWER PVT LTD (JANUARY – MAY 2023)

- **Trainee Engineer** - Planned and executed a 520 KW project to install solar panels at Raja Bhoj airport Bhopal.

### BHEL JHANSI (JUNE – JULY 2022)

- **Summer Trainee** - Learned about departmental functions and Power Transformer & locomotive engine assembly.

## Education

S. NO.	QUALIFICATION	UNIVERSITY	COLLEGE/SCHLOOL	YEAR	PER(%)
1	B-TECH in Electrical Engineering	RGPV	Madhav Institute of technology and science Gwalior	2023	76.40%
2	DIPLOMA in Electrical Engineering	RGPV	Govt Polytechnic College Nowgong	2020	64.32%
3	High School	MPBSE	Saraswati H S School Harpalpur	2016	74.86%

## Skills & Abilities

- Power Transformer Erection, Commissioning and Testing
- LOCO Transformer routine test
- Service spare materials management
- Process Improvement
- Customer Service and logistic coordination
- Ability to work with cross-functional team
- Quality control and safety protocol adherence

## Software

- **SAP** (1 years of experience & knowledge)
- **ABAS**