

YUVRAJ GHANSHYAMBHAI SOLANKI

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PROFESSIONAL SUMMARY

Dedicated **Substation Operator (SBO)** at **GETCO** with practical, hands-on experience in the maintenance and restoration of high-voltage assets. Recently contributed to a major technical recovery project for a **15 MVA, 66/11 kV T&R Transformer**. Seeking to transition into a **Quality Assurance (QA) Engineer** role at Transformers & Rectifiers (India) Ltd, leveraging field-level insights, a strong work ethic, and a fundamental understanding of transformer testing and assembly.

TECHNICAL EXPOSURE & SKILLS

- **Transformer Components:** Familiarity with LV/HV Bushings, Tap Changers, Cooling Systems, and Tank Hermeticity.
 - **Testing Procedures:** Basic understanding of BDV (Breakdown Voltage), IR (Insulation Resistance), and Dew Point measurement.
 - **Standards & Compliance:** Basic knowledge of IS/IEC guidelines for power transformers.
 - **Process Documentation:** Experience maintaining substation logbooks and assisting with technical inspection reports.
 - **Tools:** Basic proficiency in MS Office and exposure to digital reporting environments.
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KEY PROJECT INVOLVEMENT

Support Assistant | T&R 15 MVA Transformer Restoration

GETCO Substation | [Insert Dates]

Collaborated closely with senior GETCO engineering staff on the rehabilitation of a 2012-make T&R unit damaged by Cyclone Tauktae. This project provided deep exposure to:

- **Physical Restoration:** Assisted in the replacement of damaged LV bushings and oil valves after 3 years of environmental exposure.
- **Dehydration Process:** Supported the execution of Vacuum and N₂ (Nitrogen) cycles; observed the use of industrial blowers and dryers to stabilize insulation.
- **Oil Quality Control:** Assisted in the setup and monitoring of mobile oil filtration cycles and participated in taking BDV samples.

- **Testing Assistance:** Supported the engineering team in performing Megger (IR) tests for HV, LV, and Earth to verify winding health.
 - **Problem Solving:** Gained practical knowledge of how environmental factors (dust, rain) affect internal transformer quality—a vital perspective for a factory QA role.
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PROFESSIONAL EXPERIENCE

Substation Operator (SBO) | GETCO (Gujarat Energy Transmission Corp)

OCT 2024 – Present

- Responsible for real-time monitoring of 66/11 kV substation parameters.
- Ensure strict adherence to safety protocols during switching operations and maintenance.
- Maintain accurate documentation of equipment health and fault logs.

Internship | Patel Heaters, Vadodara

Jan 2024 - May 2024

- Gained hands-on experience in the manufacturing process of industrial heaters and boilers at this organization. Completed this internship as a part of the GTU curriculum.
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EDUCATION

- **B.E. in Electrical, 6.90 CGPA | GEC Palanpur, Gujarat Technological University | 2024**
- **HSC, 57 % | JNB, Gyan Manjari Vidyapeeth, Botad, GSEB | 2018**
- **SSC, 89.99 % | Swaminarayan Gurukul Botad, GSEB | 2016**