

VIBHANSHU TURKAR

Electrical Instrumentation & Automation Engineer

+91 976 568 9511 • vibhanshuturkar01@gmail.com • [linkedin/vibhanshu-turkar](https://www.linkedin.com/in/vibhanshu-turkar) • Nagpur - MH



PROFILE

Diligent and results-oriented professional with 3 years of hands-on experience in Electrical and Automation Maintenance within the Shift Engineering domain of Hot Rolling Mill operations. Possesses a strong foundation in ABB Drive parameter configuration and a keen understanding of electrical drawings. Demonstrates proven expertise in both the practical and theoretical aspects of various electrical instruments, including HMDs, pyrometers, proximity sensors, and AC/DC transducers.

SKILLS

• Application of Internet • Automation and Electricals • Microsoft Powerpoint • Microsoft Excel • Microsoft Word

WORK EXPERIENCE

Shilpa Steel And Power Pvt. Limited Nagpur-MH

Junior Engineer

January 2025 - Present (Fastener Division)

- I worked with Shilpa Steel & Power Ltd. as a Shift Engineer in Fastener Department (Electrical Automation and Instrumentation Engineer) from Jan 2023 to till date.
- Explored to control relay logic as well as PLC ladder logic.
- Handling VFD (ABB ACS 550 & 880), Altivar71 drive for motor control and set parameters.
- Having good knowledge in designing of HMI and interfacing to PLC.
- Siemens PLC S7-1200, S7-300, ET200 & Beckhoff EK1100 PLC.
- HMI KTP 700, KTP 1200 - modify the screen and downloading.
- Maintain the daily basis checklist to all instruments and LT Transformer Panel etc.
- Hand on experience in Altos Compressor GA45 & GA55.
- Hand on experience in EOT Crane Safax 5T.
- Hand on experience in Nut tapping machine & Nut bold assembly machine.
- Expertise in Hot forging & cold forging NEDSCHROFF Machinery.

Ecotonix Automation Services Pvt. Limited Nagpur-MH

Assistant Engineer

April 2024 - December-2024

- Hands-on experience with Siemens Tia Portal PLC (CPU) S7-1200, S7-1500 and ET-200.
- Work experience in Siemens Tia Porta HMI (Basic and Comfort).
- Acquired basic knowledge of Allen Bradley RS Logix 500 software..
- ABB Drive knowledge for setting of parameter and testing.
- Commissioning and Testing for control panel and PLC programming Testing.

Sunflag Iron & Steel Co. Limited, Bhandara, Wartti Road, MH

Training Engineer

March 2023 - March 2024

- Worked as a Shift Engineer in the Hot Blooming Mill and Bar Mill, specializing in Electrical and Automation.
- Proficient in configuring and tuning ABB AC Single Module Drive ACS 880 to optimize performance through parameter adjustments.
- Skilled in the maintenance of 690V AC Motors, ensuring continuous and efficient mill operations.
- Actively involved in training programs, contributing to the skill development of maintenance personnel.
- Breakdown analysis using IBA PDA Analyzer

PROJECT

- **Novasix Technologies Pvt. Limited -- Hot Melt Tank**
S7 Smart 200 (CPU ST40) and HMI KTP900 Development and Commissioning.
- **Feb. Plus Healthcare Pvt. Limited -- Autocoater Pharma Project**
S7-1214 TP1500 Comfort Tia-17 Development and Commissioning.
- **Thermax -- Water Treatment Plant**
S7 Smart 200 (CPU ST40), KTP 700 Basic PN Development And Commissioning.
- **SBL Energy Pvt Limited**
For DCS pannel Control wiring and Power wiring for MCC & ABB Drive pannel Testing.

KEY SKILLS

- **Installing, Testing , Commissioning & Maintenance :**

Testing and commissioning of rolling mill, Related process as well as Conducting test and Inspection , Reviewing, Engineering, Drawing diagram, Technical specification involved in Installation, Maintenance of troubleshooting and process maintaining panel wiring VFD installation and troubleshooting.

- **Operation & Maintenance :**

Conducted thorough inspections of power supply and control circuits before operation, troubleshooting abnormal conditions in feeder ACB and equipment, and maintaining periodic and preventive maintenance documentation

EDUCATION

Priyadarshini College of Engineering, Nagpur Bachelor of Engineering :- Electrical Engineering	2018-2022 78.80%
Bhartiya Krushi Vidyalaya and Jr. College, Nagpur HSC	2018 61.80%
Bhartiya Krushi Vidyalaya, Nagpur SSC	2016 74.4%

PERSONAL INFORMATION

- **Date of Birth :** 11 December 2000
 - **Permanent Address :** Post. Sihora, Dist. Bhandara, MH 441915
 - **Father Name :** Yogeshwar Turkar
 - **Marital Status :** Single
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