



NTIN HADKE

Electrical & Instrumentation Engineer

CAREER OBJECTIVE

- I am looking for a good position in the field of Electrical, Instruments and Automation in a prestigious company where previous skills and capabilities can be put to efficient use.
- I possess effective organizational skills and the ability to supervise a team and develop the final output.

PROFILE SUMMARY

- 5 years of experience as an Electrical & Instrumentation Engineer in detailed Design, Installation, Commissioning, and Testing, Maintenance of instruments, switchgears and control systems in Plant.
- Should have hand to hand experience of PLC operated machines & their maintenance.
- VFD commissioning: ABB, Siemens, Delta, Yashkawa, Dan Foss.
- PLC: Siemens S7 300, 1200, Delta, ABB, Omron PLC ladder diagram programming and troubleshooting.
- Materials selection, Configuring and fault diagnostics of VFD, PLC, control loop, uploading, downloading and monitoring of program & Hardware and software configuration of S7-1200 PLC using TIA portal v13.
- SCADA: WINCC/Siemens (Communication of PLC S71200 with SCADA WINCC & KTP 600 HMI, developing, editing of screen and creating alarms, real and historical trends, data logging with using WINCC).
- Materials selection, installation, Commissioning and troubleshooting of different type of sensors and field instruments like Temp controller and temp sensors(thermocouple, PT100, RTD), pressure switches, level sensor, limit switches and sensor, proximity sensor, timers, counter).
- Design, selection and sizing of capacitor bank, cable and bus bar sizing calculation, cable tray sizing, Battery bank capacity, and voltage drop calculation & load schedule, calculation & protection of short circuit, safety clearance for electrical panel.
- Selection and installation all type of starters like DOL, Star Delta for AC motor and switchgear (MCB, MCCB, ELCB, RCCB, RELAY, Contactor).

JOB DESCRIPTION

Company: Star Circlips & Engineering Ltd Nagpur

April 2013 – April 2018

Designation: Electrical Maintenance Engineer.

- Lead commissioning team in the completion of loop checks, electrical control panels, plant startup and shut down of plant.
- Adherence to maintenance the plant utility system and power distribution system.
- Reporting periodically to maintenance manager for preparing KPI, PM activity and analyze MTTR, MTBF, Downtime, power and water consumption.
- To prepare quarterly, half yearly and yearly periodic, preventive & predictive maintenance schedule along with to pm activity in consultation with production department to
- Carry out pm as per check list & also maintain the record of preventive maintenance to increase machine uptime and equipment reliability.
- Executing cost saving and energy saving techniques measures and modification to achieve substantial reduction in operation and maintenance expenditures and reduction in cost of maintenance and repetitive breakdown occurrence by preparing list of critical machine spares & categorized in consumable and non-consumable.
- Manage and supervise all the maintenance activities undertaken by the electrical & instrumentation team to ensure the same is as per the maintenance schedule and budget and is of high quality.
- Work closely with other departments to ensure maintenance schedules are adhered to without disruption of production targets.
- Training to engineering team and technician on Utility system & Machine instruments.
- Monitoring of Erection and commissioning works of machines as and when given responsibility and Equipment Erection & Commissioning as per the time line.
- Work with the team to schedule and prioritize work orders to ensure optimum utilization of resources and minimum disturbance to production activities.
- Prepare schedule for maintenance activities during shutdown and ensure proper execution of the same as per shutdown schedule.
- For equipment covered under AMCs, ensure regular maintenance is done by the vendor in accordance to the terms and conditions agreed in the AMC.
- Ensure the team provides timely and effective break down maintenance support for any of the electrical and instrumentation systems at the plant.
- Review any major breakdowns in electrical and instrumentation systems to assess the scope of repair work required, cost for the repairs and other resources required.
- Preventive, Operation and maintenance of ELECTRICAL HEAT TREATING AUSTEMPERING FURNACE (as well as SAT & TUS mapping taking) & UPS system.
- Preventive, Operation and maintenance of STP (sewage treatment plant) & ETP (effluent treatment plant).
- Preventive, Operation and maintenance of EOT (electric overhead travelling)
- Preventive, Operation and maintenance of DG SET.
- Maintenance & troubleshooting of CNC Wire cut machine, VMC machine.
- Preventive and maintenance of cooling tower, blower, firefighting equipment, stationary air compressor, PCC, MCC, and APFC panel, Distribution transformer 2000KVA, L & T make ACB & 11kv VCB.

CERTIFICATION

Had undergone practical training on through advance training in industrial automation

Organization: Technocrat Automation Chennai-600029

Duration: Nov 1st 2012 to March 31st 2013

- **PLC:** Siemens (S7 300 in Simatic Manager V5.5), AB (Allen Bradley Micrologix 1500 RX Logix 500), ABB (AC 500 PM564 ETH V2.1 in Control Builder plus), Omron (N30 series in CX program 1.0), Delta Wplsoft.
- **VFD:** Commissioning of VFD
- **SCADA:** Wonder ware in touch 9.5 versions.
- **DCS:** ABB ACM800.

- Preparing and reading BOM (Bill of Materials) & single line diagram (SLD), schematic diagram (SD), control and power wiring diagram making using AutoCAD, instrument drawing, I/O wiring diagram, loop checking, P & IDs diagram, cause and effect diagram, instrument list, index and other instrumentation logic diagram.
- Designing, Implementing and Commissioning of new control loops as per site requirements.
- Awareness about field instrument TT, LT, FT, PT.
- Preparing master data sheet for PM schedule and Manage Predictive / Preventive maintenance activities using spare part management, adherence to statutory and safety procedures
- Ensure timely trouble shooting of Breakdowns and enhance MTTR / MTBF, down time, power consumption.

PERSONAL SKILL

- Strong team working skill with an ability to motivate other & to lead
- manages team and project.
- Excellent customer care skill and good commercial awareness.
- Ability to tactfully deal with difficult & sensitive situation.
- Excellent organizational, oral and written communication skill.

IN HOUSE TRAINING

- 5-S Technique
- Quality Management system
- Time Management
- EMS
- OSHAS
- TPM

COMPUTER SKILL

- Operating System : Windows XP, 7, 8
MS-Office, Good in Excel & Power Point.
- PLC programming: Ladder programming, AutoCAD.

PERSONAL DATA

Date of birth : 31st Dec 1990
 Father's name : Bhimrao Mahadev Hadke.
 Marital status : Unmarried
 Nationality : Indian
 Hobbies : Travelling, playing sports.
 Language : Marathi, Hindi & English
 Notice period : 1 month
 Present CTC : 3.0 lac / year.
 Expected CTC : to be discussed personally at the time of interview.
 Current location : Nagpur.

EDUCATIONAL QUALIFICATION

- Sep 2009 - July 2012 Bachelor of Engineering**
 Govt college of engineering
 BE in Instrumentation Engineering with an aggregate of 74% from North Maharashtra university (NMU) Jalgaon, Maharashtra.
- Aug 2006 - June 2009 Diploma**
 Govt Polytechnic Nagpur
 Diploma in Electrical Engineering with an aggregate of 73.60% from (Autonomous institute of Maharashtra) Nagpur, Maharashtra,
- May 2006 - June 2009 SSC**
 Vidya Sadhana Highschool Nagpur
 Secured an aggregate of 77.46% from the state board of secondary education Maharashtra.

PROJECT UNDERTAKEN

- Currently working on IOT industry version V.4 a Smart Factory project as a Team leader in installation & commissioning, testing & Troubleshooting PLC input output signal, sensor required for tablet to control machine.
- Development, modification and maintenance of existing & new project for increase production and decrease cycle time of machine as per plant requirement.
- Work as a Team leader in installation & commissioning of Mesh Belt type austempering Muffle electrical heating furnace.
- Work as a Team leader in installation & commissioning of highspeed presses up to 160 ton capacity and doing modification as per the plant requirement to reduce downtime and increase productivity.

DECLARATION

I hereby declare that the above information is true to the best of my knowledge and belief.

Place: Nagpur

Date: 14/04/2018

NITIN BHIMRAO HADKE