

Nitin Hadke

Electrical Instrumentation Engineer

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Career objective

Looking forward for Electrical & Instrumentation Designing, Maintenance, commissioning Engineer with reputed organization that gives me an opportunity where I can improve my abilities and which provides an environment to share my skills with others so that I will be part of success in the organization.

Summary

Technically competent Electrical & instrumentation engineer with 4.4 years of experience in detailed installation, maintenance, design, testing, calibration, commissioning of instruments and control system in plant.

Key responsibilities:

- Should have hand to hand experience of PLC operated machines and their maintenance.
- PLC programming and troubleshooting.
- Variable frequency drives programming and troubleshooting (ABB, SIEMENS, YASKAWA, and DELTA)
- Should have knowledge of PLC ladder diagram.
- Materials selection, Configuring and fault diagnostics of VFD, PLC, control loop, uploading, downloading and monitoring of program & Hardware and software configuration of S71200 PLC using TIA portal v13
- 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.
- Should have knowledge of Electrical control circuits and drawings.
- 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, flow 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 soft starters like DOL, Star Delta for AC motor and switchgear (MCB, MCCB, ELCB, RCCB, RELAY, Contactor).
- Preparing and reading BOM (Bill of Materials) & single line diagram (SLD), schematic diagram (SD), control and power wiring diagram 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.
- Ensure timely trouble shooting of Breakdowns and enhance MTTR / MTBF.
- Preventive maintenance, spare part management, adherence to STATUTORY and safety procedures,
- Prepare & Manage Predictive / Preventive maintenance activities.

Skills

Professional skill

Operating System :Windows XP, 7, 8

MS-Office, Good in Excel & Power Point, ERP system.

PLC programming :Ladder programming,

Design :Electrical Drawing Auto Cad.

Basic SCADA screen design

Commissioning :VFD and Electrical and instrumentation control panel & pneumatic equipment.

In house Training

5S • Quality Management system • Time Management • EMS • OSHAS • TPM

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.

Certification

Organization: Technocrat Automation Chennai-600029

Duration: Nov 1st 2012 to March 31st 2013

Had undergone practical training on through advance training in industrial automation

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.

SCADA: Wonder ware in touch 9.5 versions.

DCS: ABB ACM800.

Work experience

20 may 2013 - Till working

Electrical instrumentation maintenance Engineer

Star circlips & Engineering Ltd. Nagpur An IATF16949:2016, ISO EMS 14001:2004, OHSAS 18001:2007 Certified company.

- Lead commissioning team in the completion of loop checks, electrical control panels, plant start-up and shut down of plant.
- Adherence to maintenance the plant utility system and power distribution system.
- Preventive, Operation and maintenance of ELECTRICAL HEAT TREATING FURNACE & 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.
- 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.
- Training to engineering team on Utility & Machine instruments.
- Monitoring of Erection and commissioning works of machines as and when given responsibility.
- Ensuring the Electrical Equipment Erection & Commissioning as per the time lines.
- Work with the team to schedule and prioritize work orders to ensure optimum utilization of resources and minimum disturbance to production activities.
- Manage and supervise all the maintenance activities undertaken by the electrical and 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.
- 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
- Oversee any major breakdown repair work to validate the quality of the work done and ensure minimum repetition of similar incidents.

Education

2009 - 2012

BE

Government College of Engineering
In Instrumentation Engineering with an aggregate of 74% North
Maharashtra university (NMU) Jalgaon, Maharashtra.

2006 - 2009

Diploma

Government Polytechnic (Autonomous Institute)
In Electrical Engineering with an aggregate of 73.60% Nagpur, Maharashtra.

2005 - 2006

SSC

Vidya Sadhana Highschool
Secured an aggregate of 77.46% from the State Board of Secondary Education Maharashtra.

Project

Currently working on IOT industry version V.4 a Smart Factory project as a Team leader in installation & commissioning, testing and 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.

Personal Details

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.

References

Name : Vinay Sangep

Designation: Dy. Manager

Employer : Star Circlip & Engineering Ltd

Department: Lean

Email id : vinay.sangep@starcirclips.net

Mobile no : 9823378411

Current location: Nagpur.

Name : Sarang Gupta

Designation : HOD

Employer : Star Circlip & Engineering Ltd

Department: Production Engineering

Email id : sarang.gupta@starcirclips.net

Mobile no : 9823865100

Current location: Nagpur.

Declaration

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

Place: Nagpur

Date: 4/11/2017 NITIN BHIMRAO HADKE