

SUVARNA SHINDE

Pune, Maharashtra, India

+91 7447787871 | suvarnarshinde88@gmail.com

LinkedIn: <https://www.linkedin.com/in/suvarna-s-5a6b00102> | Best time to call: 09:00 - 16:00

OBJECTIVES:

Seeking a challenging and rewarding position to utilize my knowledge and experience in the field of engineering & project Execution for renowned organization.

PROFESSIONAL SUMMARY

- Competent & versatile Electrical Engineer with 9.5-year experience in the areas of global project Engineering & SPM, Hydraulic & servo mechanical Press machine, tube bender machine.
- Experience of UPS, L.V switchgear, MCC, PCC panel design & Engineering.
- Relevant awareness about required international Standards (IEC, UL 508, CE, NEMA)
- In depth-knowledge of product considering the design calculation, sizing of cables & selection of switchgear, Load calculation, Selection of AC drive & servo drive, heat load calculation.
- Experience of PLC selection like mitsubhishi, Siemens, messung /ABB, Allen Bradley make.
- Strong analytical, troubleshooting, and organizational abilities those are essential to lead and drive teams.
- Experience of different type of HMI selection like Proface, Siemens, mitsubhishi make.
- Experience of Profinet, Profibus, Ethernet, IO link, serial & Modbus communication for different types of plc

KEY SKILLS: Electrical Design, Costing & estimation, communication Skills, Problem solving, team leader.

SOFTWARE SKILL SET:

- Eplan P8
- AutoCAD Electrical
- Cost Estimation
- AutoCAD 2D
- SAP
- AutoCAD Inventor-3D
- Corel Draw

PROFESSIONAL EXPERIENCE:

❖ *Organization: Emerson Export Engineering Center Pune.*

- Duration: November 2019 to April 2021
- Designation: Sr. hardware Electrical Engineer.

Key Responsibilities:

- Working on DeltaV system standardization CTO Packages design. Which are used in worldwide areas
- Design DeltaV system SIS & DCS Cabinets & Field Enclosures.
- Hardware design included Outer GA, internal GA, BOM, wiring & Grounding connections.
- CTO design included Field Enclosures design for Hazardous area & Safe area, Cabinet design, Network server cabinet design for different regions like Europe, North America & China etc.
- Design Configurable drawing Packages. (Inputs are given from team leader)
- Upload the CTO drawing package in CCT on all instances.
- Then Generate some example drawing packages by selecting varies options from CCT.
- Testing this example packages for checking that the CTO drawing packages is ready for release or not.
- Develop standard Blocks of Emerson make product for global word users.

❖ *Organization: electro pneumatics & Hydraulics Pvt. Ltd.*

- Duration: June 2010 to May-2019
- Designation: Sr. Electrical Design Engineer.

Key Responsibilities

- Engineering drawing & documentation preparation as per customer requirement.
- Selection & sizing of the entire component within control panel.
- Responsible for to make Fabricated Operating pendant, process start pendant for SPM machine.
- Appreciate the customer application & provide the technical support to proposal team.
- Prepare the single line diagram & Design the control panel as per customer recommended IP protection.
- Calculate the heat load for selecting cooling system for control panel & junction box.
- Selection of various types of analog & digital sensor e.g. linear scale, photo guard, temp sensor, photo sensor, proximity sensor, infra-red heaters, perform detectors.
- Responsible for total system Bill of material preparation, material number, document number, ECN creation & updating in sap.
- Preparation of the allied/sleeve details for detailed machine wiring of respective machine application.
- Draw Ducting layout/cable tray for wiring routing purpose for every special purpose machine.
- Prepare the field designing details of SPM machine (E.g sleeve/Allied details for different sensors , solenoid coil in excel sheet).
- Calculate the cable rating & size for induction motor, servomotor & for incoming supply cable for complete machine.
- Selection of various kinds of Switchgear (MCCB, MPCB, MCB, CONTACTORS, OVERLOAD RELAY) for motors, drives, soft starter& analog/digital meter for indication & calibration purpose.
- Understanding system architecture drawing, Responsible for implement customer logic as per customer requirement.
- Responsible for preparation of cable scheduling, electrical cabinets, wiring harnesses, installation schematics, wires & cable sizing, Lugs selection for respective cables, selection of connectors to interface with Junction box.
- Responsible for implementing the customize logic as per customer requirement.
- Responsible for on time delivery of projects as per schedule.
- Participation in team meetings, KOM, follow up & submission of status reports.
- Maintain deliverable quality record & implement the action plan to improve the quality
- Part of process improvement team & give feedback for continuous improvement & prepare action plan.
- Support to purchase, marketing, production & inspection & testing for proper Execution of project.
- Responsible to prepare electrical requisition & specifications by releasing Bill of materials (Bom) , Engineering change number using SAP.
- Develop a logic in existing product as per customer requirement by retrofitting with latest design.
- Provide the electrical cost estimation of details to the sales department as per application of machine.
- Preparation of standard Bill of material CNC tube bender machine.
- Provide the support to the shopfloor for proper execution of the project.
- Prepare terminal schedule details (like PLC panel to MCC Panel, junction box) for SPM machine as per customer requirement
- Selection of VFD for induction motors as per application of customer for respective machine.
- Weight calculation of Control panel, junction box as per size required to accommodate the components also for transportation purpose.
- Experience of design the E-Stop Zone Drawing & Network Drawing for respective PLC.

EDUCATION

- Bachelor of Engineering in Electrical, AISSMS IOIT College of Engineering, University of Pune - 2010
- Diploma in Electrical Engineering – Cusrow Wadia institute of technology Pune, India - 2007

PROJECTS



Microsoft Word
Document

PERSONAL DETAILS

- Date of Birth :- 8th October 1988
- Languages Known :- English, Hindi , Marathi
- Nationality :- Indian
- Marital Status :- Married
- Passport No :- N1386173
- Current Address :- Gurukrupa building , House no .152, Datta chowk ,
Mundhawa ,Pune-411036.

DECLARATION

I hereby declare that the above written are correct to the best of my knowledge and belief.

Date:

Place: Pune, India.