CURRICULUM VITAE

P. HARI KRISHNA REDDY

Instrumentation Engineer

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MY DREAM GOAL:

Seeking Challenging Assignments in Project Execution, Erection, Installation & Commissioning, and Operation & Maintenance in an organisation of high repute.

PROFESSIONAL EXPERIENCE:

3 years 5 months of experience in the field of Instrumentation engineering in PHARMA, Beverages and Water treatment.

JOBS & RESPONSIBILTIES :
1. Reviewing the Engineering Drawings.
2. Preparing the execution plan as per the project duration.
3. Handling the Contractors, Clients and PMC.
4. Daily Target Achieving as per the targets already set.
5. Manpower Allocation based on the priorities.
6. Resource allocation as per the quantum of work.
7.Field instruments calibration and configuration

In addition to the above Responsibilities I have to prepare below mentioned Work list too…

1. Checking the feasibility of Tray laying as per the site with Drawing and if any modification required then executing the jobs after getting the approval from PMC/Client.
2. Junction Box Erection as per the Layouts.
3. Motor installation as per the Equipment layout.
4. Grid Earthing including Earth pits as per the Layout.
5. Panel Erection such as PLC Panels and DCS panels as per the Layouts.
6. Instruments Erection as per PID by following the Hook up drawing.
7. Installation and calibration of all types of field instruments.
8. Cable Laying as per the cable schedule.
9. Glanding and Termination as per the standards.
10. Stage wise inspection by Client /PMC.
11. Checklist Preparation.
12. Continuity Checking

13. Instruments configuration
14. Cold Loop/Hot Loop/Interlocking/ Checking
15. Trails taking with water
16. System and Subsystem defining for each area of jobs.
17. Handing over the System and Subsystem to the PMC/Client and closure of Punch Points.

WORKING EXPERIENCE:

Present Employer **: Ways automation**

Designation **:** Instrumentation Engineer.

Duration **:** June 2017 to july 2020.

CAREER PROJECTS:

1. SOLVENT RECOVERY SYSTEM

Role **:** Instrumentation Lead Engineer

PLC Used : SIEMENSE PLC

Scope Of Work:-

1. Cable Tray Erection
2. Cable Laying
3. Field Instrument Erection and Calibration
4. Motor Testing
5. PLC (Siemens)Erection , Testing and Commissioning.
6. Panel Erection , Testing and Commissioning.

Brief: A solvent recovery system is a process system that takes effluent and extracts useful solvents and raw materials back out of the process waste stream.
The recovery of solvents from effluent can be achieved with a variety of technologies.

Instruments used : Temperature transmitter,pressure transmitter,flow meters and level transmitters,on/off valves and control valves.

2. STERILIZATION IN PROCESS (SIP) AND CLEAN IN PROCESS (CIP)

Role : E & I Engineer

PLC Used SIEMENSE PLC.

Programming software WINCC ADVANCED.

Scope Of Work:-

1. Cable Tray Erection
2. Cable Laying
3. Field Instrument Erection and Calibration
4. PLC (SIEMENSE Make) Erection , Testing and Commissioning. Panel Erection , Testing and Commissioning.

Brief: SIP OR CIP is. a method of cleaning the interior surfaces of closed systems without disassembly.i.e reactors,vessels, and pipe lines

Instruments used : Temperature transmitter,pressure transmitter,flow meters and level transmitters,on/off valves and control valves.

3. .SOLVENT DISPENCING SYSTEM

Role **E & I Engineer.**

Scope Of Work:-

1. Cable Tray Erection
2. Cable Laying
3. Field Instrument Erection and Calibration
4. Motor Testing
5. PLC (Siemens Make) Erection , Testing and Commissioning.
6. Panel Erection , Testing and Commissioning.

PLC Used Siemens S7-1200.

Programming software Simatic Manager, Simatic WinCC,TIA14.

Brief: The solvent dispensing system integrates various operations at solvent yard and production blocks like unloading, dispensing etc. The solvent Management will start right from the Unloading of the Solvents from Tankers, storage, and supply to Blocks and Recovery of Used Solvents and re-use.

Instruments used : flow meters and level transmitters,on/off valves, load cells and pumps

4. LEVEL CONTROLLING SYSTEM

Role : E & I Engineer.

Scope Of Work:-

1. Cable Tray Erection
2. Cable Laying
3. Field Instrument Erection and Calibration
4. Motor Testing
5. PLC (Siemens Make) Erection , Testing and Commissioning.
6. Panel Erection , Testing and Commissioning.

PLC Used SIEMENSE.

Programming Software : TIA14,WINCC ADVANCED (SCADA)

Communication Protocol Ethernet

Brief: This system is for controlling the level of solvent in storage tanks,vessels and reactors.

Instruments used: level transmitter,on/off valves,pumps

5. REACTOR UTYLITY AUTOMATION

Role **:** E & I Engineer
PLC Used : SIEMENSE PLC.
Programming software : WINCC ADVANCED.

Scope Of Work:-

1. Cable Tray Erection
2. Cable Laying
3. Field Instrument Erection and Calibration
4. PLC (SIEMENSE Make) Erection , Testing and Commissioning.
5. Panel Erection , Testing and Commissioning.

Brief: This project involves in the control of the solvents into reactor and utility's into reactor jocket as per process requirement by using on/off valves and flow meters .

Instuments used: on/off valves,control valves,flow meters,temperature transmitter and pressure transmitters.

6.MULTI EFFECT EVOPOURATION

Role **:** E & I Engineer
PLC Used : SIEMENSE PLC.
Programming software : WINCC ADVANCED.

Scope Of Work:-

1. Cable Tray Erection
2. Cable Laying
3. Field Instrument Erection and Calibration
4. PLC (SIEMENSE Make) Erection , Testing and
5. Panel Erection , Testing and Commissioning.

Brief: Multi Effect Evaporator is defined as a apparatus for efficiently using the heat from steam to evaporate water. In a multiple-effect evaporator, water is heated in a sequence of vessels, finally collected the pure water .

7. UTILITY MANAGING SYSTEM

Role E & I Engineer
PLC Used SIEMENSE PLC.
Programming software WINCC ADVANCED.

Scope Of Work:-

1. Cable Tray Erection
2. Cable Laying
3. Field Instrument Erection and Calibration
4. PLC (SIEMENSE Make) Erection , Testing and Commissioning.
5. Panel Erection , Testing and Commissioning.

Brief: This project involves the maintaining utility's as per requirement.
i.e maintaining temperatures in blocks by using pumps ,chillers and
cooling towers

In addition to above work experience I have thorough knowledge about

1. SCADA SCREENS DEVELOPMENT IN WINCC.
2. SIEMENS HMI SCREENS DEVELOPMENT .
3. SIEMENS PLC LOGIC TROBLESHOOTING

TECHNICAL PROFICIENCY:

Scada	: Siemens .
PLC	: Siemens series
ON/OFF VALVES	: AIRA,MICRO PNEMATICS
Transmitters	: Endress and Hauser, RADIX, Siemens, Punetech,
Flow Meter	: E&H, Forbes Marshall
Level Transmitters	: E&H, SIEMENSE
LEVEL SWITCHES	: E&H, PUNETECH
Control valves	: SAMSON,AIRA, ABB , Siemens

EDUCATIONAL QUALIFICATIONS:

- Bachelor of Technology (B.Tech) in **Electronics & Communication Engineering from Saispurthi institute of technology** , **JNTU.**
- **Intermediate** from **Srivani Junior College**, v.m banjar.
- **SSC** from Sri **Shanthiniketan School**, V. M banjar.

PERSONAL PROFILE:

Highest qualification	:	B Tech (ece)
Total work exp	:	3 yr's 5 months
Current organization	:	Ways Automation
Current location	:	Hyderabad
Date of Birth	:	15-03-1994
Marital Status	:	Single.
Sex	:	Male.
Languages Known	:	English, Hindi and Telugu.
Reason to change	:	For **career** growth opportunities

(P. Hari Krishna reddy)