**RAJESHREDDY**

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**Accomplished Instrumentation engineering professional with good interpersonal skills. A demonstrated ability to quickly learn and apply new concepts, easily adapt to change, mentor others and can communicate fluently in English, Hindi and Telugu.Seeking challenging assignments in Instrumentation fields which suit my profile.**

**PROFESSIONAL SYNOPSIS**

* A dynamic professional withover10 years of experience as **Instrumentation engineer** in 32MW COGENERATION, SUGAR PLANT 5000 TCD, Distiller140KLPD and 4MW spent wash boiler in Vijayanagar **sugar Pvt.Ltd** during, 60KLPD DISTILLERY, 2.2MWAFBC IN **AROMA BIOTECH PVT.LTD**.
* Worked as **JE Instrumentation engineer** in **Vijayanagar sugar Pvt.Ltd** June 2011 to May 2014 during **Erection of 140KLPD & 4MW SPENT WASH BOILER & INSTRUMENTATION Maintenance.**
* Worked as **AE** **Instrumentation engineer** in **Vijayanagar sugar Pvt.Ltd** 2014 to 2016 June during maintenance **plant. Power Plant , SUGAR PLANT 5000TCD and** Distiller140KLPD & 4MW SPENT WASH BOILER
* Working as a **SENIOR ENGINEER( INSTRUMENTATION)** in **PIONEER DISTILLERIES LTD (DIAGEO)** 2016 July
* Still now Working as a **Assistant manager (INSTRUMENTATION) in** **PIONEER DISTILLERIES LTD (DIAGEO)** 60KLPD GRAIN BASED DISTILLERY, 100 KLPD MOLASSESS,6.45MW & 52 TPH SPENT WASH BOILER.

**EQUIPMENT HANDLED**

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**Instrumentation: ABB 800xA DCS system, Woodward 505E Turbine control,Bently vibration monitoring system, Guardian Over speed protection system, Woodward CPC, Masibus Temperature scanner 85xx.**

**ABB compact hmi 800 PLC system,Allen bradley PLC, Simatic s7 300 Siemens PLC, Universal pid controllers Woodward 505E Turbine control, vibration monitoring system, Temperature scanner,Control valves, Level transmitter, Flow transmitters, Pressure transmitter, RTD,Thermocouple, Draft transmitters, load cell, etc**

***Responsibilities Handled:***

* **Handling responsibilities as Instrumentation shift engineer.**
* **Troubleshooting of the panels during startup.**
* **Monitoring performance of Instrumentation equipment during running.**
* **Fault detection and troubleshooting of the equipment.**
* **Monitoring the operation of the Turbine Generator.**
* **Taking maintenance of the Equipments during shutdown.**

***Responsibilities Handled during Erection and Commissioning:***

* **2 years of experience during erection and commissioning of the power plant.**
* **Supervised all power and control cable termination.**
* Supervised power, control and instrumentation cable termination in TGMCC and DCS.
* Supervised the installation of Turbine safety and operation equipment like speed sensors, Bently vibration probes, QCNRV, CPC for HP and LP extraction, Turbine safety block and ESV.
* Supervised calibration of vibration probes, proximity transducers and configuration of signals in vibration monitoring system for turbine, generator and barring gear.
* Supervised cable termination and commissioning of Woodward governor, Bently vibration monitoring system, Guardian overspeed protection system and complete turbine supervisory panel.
* Supervised control, metering and power cable termination to RMP, Synchronizing panel and AVR.
* Involved in checking of all control circuits including potential free feedbacks to and from DCS.
* Involved in testing and commissioning of barring gear logics, Turbine generator logics and AVR logics in DCS.
* **Involved in ABB 800xA DCS panel erection, cable termination, configuring all I/O signals and checking all the internal and external logics.**

1. Installation of 800xA DCS controllers, CI840 profibus master, CI840 profibus DP-V1 com. Interface, TB820 module bus cluster modem, DO, DI, AO and AI810, AI830 RTD, AI835 thermocouple analog input modules.
2. Checked the redundancy working of the DCS system.
3. Communication of DCS controllers with CPU via Ethernet and modules with profibus communication.

* Supervised the cable termination from field to JBs and from JBs to DCS panel.
* Ensured that all the DI signals are potential free, AI signals are connected in respective Analog inputs viz. 2-wire and 4-wire.
* Checked the signal configuration of all the I/Os and configured new I/Os as per requirement.
* Checked the internal logics of Function blocks of normal motor, VFD motor, analog inputs, solenoid valves, control valves, motorized valves, level switches.
* Involved in making and checking logics for barring gear start interlocks, turbine tripping logics, generator feedbacks, AVR feedbacks, boiler logics.
* Configured digital inputs and outputs for fuel and ash handling system motors in DCS and created interlocks for sequential operation of fuel and ash handling motors.
* Checked the working of all trends, alarms, range of equipment, tuning of PIDs.
* Providing assistance to the operators during startup, troubleshooting of DCS and PLC systems.
* Apart from this I do know the programming of DCS, configuring IO, doing ladder logics, using function blocks, downloading project into controller, creating aspects, creating graphics through element explorer, connecting to the OPC server, profibus connections, Ethernet and modbus connections.
* **Involved in commissioning of all panels including DCS and Turbine panels.**

***Responsibilities Handled during Operation:***

* **Experience during operation of the plant.**
* **Providing assistance to the operators during startup, troubleshooting of DCS & Instruments**
* **Handled maintenance and troubleshooting of plant equipment.**
* **Handled control room operation of TG, switchyard and DCS.**
* **Do know about the complete operation process of the plant which includes DCS, Fuel and Ash handling systems, Boiler, ESP, Turbine Generator, Air Cooled Condenser system.**

**ACADEMIC CREDENTIALS**

* **Diploma (ECE): Electronics and Communication Egg (SBTET).**

**Govt. polytechnic ANANTAPUR -2007**

* **SSC** : **Gowthami English Medium High School**.( **Venkatagiri, Nellore(dt)**

**Programming languages :** C, PLCs.dcs

**Software skills :** Ladder diagrams, Instruction lists, MS Office.

**PERSONAL DOSSIER**

**Full Name:** Rajesh reddy

**Date of Birth:** 05 july 1988  
**Marital Status:** Unmarried.  
**Languages known:** English, Hindi, and Telugu.

**Permanent Address:**

Nidigallu(PT),Balayapalli(MD)

Nellore(DT),Andra Pradesh(ST).