

G.V.S.S.SUBBA RAO (Instrumentation Engineer)

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CURRICULAM VITAE

Sr. Engineer (INSTRUMENT & CONTROL)

More Than 13 Years of experience as Senior Engineer Instrumentation and Controls in Pulp and Paper industry sector in the field of Engineering, Inspection, Commissioning, Operation, Maintenance and Trouble shooting of Field Instrumentation, DCS, PLC and QCS Systems.

Major Career Achievement:

During my employment tenure in Shotmed Paper Industries, Cairo, Egypt, I was independently responsible and successfully completed the erection and commissioning of two paper machines including the stock preparation along with DCS and QCS systems supplied by M/s Honeywell, Turkey.

Various Training undergone:

Distributed Control System

1. Two weeks in India for ABB AC 800X DCS engineering training
2. Two weeks in Egypt for Honeywell HC900 Plant scape DCS engineering training.

PLC System

1. Siemens S-5 PLC programming and trouble shooting.

Abroad Experience :

- Went to Salach, Germany in November 2006 for the dismantling of Honeywell Measurex smart platforms of four numbers and field I/O & MCC panels of Alcont System for the sixth paper machine in The Andhra Pradesh Paper Mills Limited, Rajahmundry, India.
- Working independently as an Senior control and instrumentation engineer in the erection and commissioning of all the field instrumentation and DCS and QCS system for the two paper machines including stock preparation in Shotmed Paper Industries, Cairo, Egypt.

Work Experience:

Inclusive Date : 05/04/1997 to 18/04/2007 (10 Years)

Employer : The Andhra Pradesh Paper Mills Limited, Located in Rajahmundry, India

A large Pulp and Paper Mill having Five Paper Machines including Pulp Mill and 50 MW cogeneration plant producing Hundred Thousand Ton per Annum..

Position Held : Senior Plant Engineer

Scope of work : Installation, commissioning, Inspection, Maintenance & Trouble shooting of field instrumentation, DCS and QCS Systems.

Specialized Area : Field Instrumentation and control system of Paper Machine, stock preparation, pulp mill. QCS system of Paper Machine.

Control Systems : ABB AC 800X, ABB Freelance, Eurotherm Esuite, Master piece MP200, Master View MV850 , ABB Accuray 1190 Scanners.

Duties and Responsibilities :

1 Distributed Control System and Quality control system.

- To carry out fault finding of the above mentioned systems.
- Responsible for all the checkups required before startup of the paper machines.
- Responsible for finding the cause of plant trip.
- To maintain detailed technical record of each instrument/system including storage and control of process computer software control configurations.
- To provide technical functional support to instrument engineers on complex control system faults.
- To prepare all the list of spares required and also from time to time checks material stock available and prepares materials requisition for the out of stock material and follow up the job till it is completed.
- To carry out online configuration on the above said systems.
- To carry out weekly, quarterly, half yearly and yearly maintenance of the said systems.
- Maintenance of centralized DCS system AC800X for the entire Fiber Line plant, Clo2 Plant and Oxygen plant of pulp mill Supplied by M/s ABB.
- Maintenance of Accuray 1190 QCS system for three paper machines supplied by M/s ABB.
- Maintenance of CD caliper controller Supplied by M/s Measurex and M/s ABB.

2 Field Maintenance

- To maintain and investigate component and system faults and to make recommendation to prevent a re-occurrence.
- To carry out replacement and up gradation of pneumatic instruments with smart and intelligent instruments.
- To carry out commissioning and maintenance jobs in accordance with all the safety rules and in order to avoid accidents.
- To keep good knowledge on detail and design engineering. Understands P &IDs, Hook ups, Loop wiring diagrams, Functional diagrams, signal flow diagrams.
- To provide technical and functional support to instrument engineers on resolving complex control system faults.
- Responsible for online job training on systems and field instruments to instrument engineers and Sr. Technicians to improve/maintain their efficiency.
- To prepare required spare parts list and also from time to time check material stock available and prepare material requisition for the out of stock material and to do necessary follow up with the supplier.
- To carry out calibration of instruments, fault finding and rectify the fault in order to avoid re-occurrence.
- To carry out ISO 9000 jobs.
- To plan corrective and shutdown jobs in advance. To keep ready all the spares, spec. sheets and settings in advance. Also to plan manpower distribution in advance.
- Allotment and distribution of routine and preventive maintenance jobs to foreman and technicians.
- To carry out configuration of transmitters using dead weight testers, manometers also carried out configuration using hand held calibrators and front displays.
- To carry out calibration of control valves, motorized valves.

Inclusive Date : 19/04/2007 to Till date

Employer : Shotmed Paper Industries, Cairo, Egypt.

Shotmed is a group having engineering company, trailer manufacturing units, paper industry. M/s
Shotmed Paper Industries is basically an Engineering company and entered into paper scenario for the first time with 30,000 Tons per annum.

Position Held : Senior Plant Engineer

Scope of work : Installation, commissioning, Inspection, Maintenance & Trouble shooting of field instrumentation, DCS and QCS Systems.

Specialized Area : Field Instrumentation and control system of Paper Machines, stock preparation. QCS system of Paper Machine.

Control Systems : Honeywell DCS system HC900, Davinci System, Measurex 2010 Scanners.

Duties and Responsibilities :

3 Distributed Control System and Quality control system.

- Erection and commissioning of four measurex scanners brought with the machine in coordination with M/s Honeywell, Turkey.
- Erection and commissioning of CD Basis Weight control system bought with the machine.
- Design of new Logics as per the requirement of process for better run ability of the machine.
- Designing of new control logics for better performance of equipments.
- Planning of required important spares for continuous running of the mill.
- Attending break down jobs round the clock to reduce the machine down time.
- To carry out fault finding of the above mentioned systems.
- Responsible for all the checkups required before startup of the paper machines.
- Responsible for finding the cause of plant trip.
- To maintain detailed technical record of each instrument/system including storage and control of process computer software control configurations.
- To provide technical functional support to instrument engineers on complex control system faults.
- To carry out online configuration on the above said systems.
- To carry out weekly, quarterly, half yearly and yearly maintenance of the said systems.
- Maintenance of DCS system HC900 for the entire plant supplied by M/s Honeywell, Turkey.
- Maintenance of Davinci QCS system for two paper machines supplied by M/s Honeywell, Turkey.
- Maintenance of CD Basis Weight controller Supplied by M/s Honeywell, Turkey

4 **Field Maintenance**

- To maintain and investigate component and system faults and to make recommendation to prevent a re-occurrence.
- To carry out replacement and up gradation of pneumatic instruments with smart and intelligent instruments.
- To carry out commissioning and maintenance jobs in accordance with all the safety rules and in order to avoid accidents.
- To keep good knowledge on detail and design engineering. Understands P &IDs, Hook ups, Loop wiring diagrams, Functional diagrams, signal flow diagrams.
- To provide technical and functional support to instrument engineers on resolving complex control system faults.
- Responsible for online job training on systems and field instruments to instrument engineers and Foremen to improve/maintain their efficiency.
- To prepare required spare parts list and also from time to time check material stock available and prepare material requisition for the out of stock material and to do necessary follow up with the supplier.
- To carry out calibration of instruments, fault finding and rectify the fault in order to avoid re-occurrence.
- Following the ISO standards during nature of work to meet the objectives of the department.
- To plan corrective and shutdown jobs in advance. To keep ready all the spares, spec. sheets and settings in advance. Also to plan manpower distribution in advance.
- Allotment and distribution of routine and preventive maintenance jobs to foreman and technicians.
- To carry out configuration of transmitters using dead weight testers, manometers also carried out configuration using hand held calibrators and front displays.
- To carry out calibration of control valves, motorized valves.

Personal Profile :

Name : G.V.S.S.Subba Rao

Fathers Name : Sri. G.S.N.Murty

Date of Birth : 14.07.1973

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