

C&I COMMISSIONING AND MAINTENANCE ENGINEER



N. SANTOSH KUMAR

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CAREER OBJECTIVE

Having 10.3 Years of multidimensional exposure in Thermal Power Plant in renowned Organisation, Highly motivated and goal oriented professional seeking an opportunity to contribute abilities and knowledge for personal as well as professional growth, Ready to accept the challenges and contribute in the productivity of an organization.

SUMMARY OF SKILLS:

- Pre commissioning, Commissioning and maintenance of C&I Packages in **Boiler, BOP** .(instruments, sensors, Analyser's, and PLC systems)
- Proficient in identifying areas of obstruction / defects and conducting service and repair to rectify the equipment's through the application of troubleshooting tools.
- Adept in conducting tests & inspections to ensure operational effectiveness of utilities; planning & effectuating maintenance plans for machines and equipment's.
- Good knowledge in Permit to work system practices in the Power Plants.
- A keen implementer with experience in handling projects for improving efficiency of automation & control using available resources & by installing suitable instruments as per requirement
- Provided engineering, commissioning, startup, training and troubleshooting knowledge, experience and services to Supercritical steam boilers, Provided engineering, logic verification, modification and checkout.
- Execution of Creative Benchmark, Planning & scheduling of the Instrumentation work activities in Site to achieve the target completion, most efficient output of Boiler Work.
- To ensure that the quality of instruments are installed in accordance with the design specification & requirements.
- Follow the Proper & Modified Technical Drawing for installation work.
- Review of all P&ID drawings & documents, Supervision and inspection of field works.
- Skilled to read Engineering Drawings, Loop Diagrams, P&ID Drawings, Logic Diagram & Hook up drawings.
- Knowledge of thermal power plant process.
- Skilled in planning the preventive and breakdown maintenance schedules for improving the overall reliability and safety.
- Handled SAP material management module for making purchase order and purchase requisition.

PROJECTS WORKED :

- 3 X660 MW STPP , NTPC,BILASPUR.
- 2 X685 MW GMR POWER, RAIPUR.

PRESENT EXPERIENCE :

Company Name : DOOSAN POWER SYSTEMS INDIA LTD
Working place : 2X800 MW
Designation : Asst.Manager
Duration : May 2016 to till Date

PREVIOUS EXPERIENCE:

Company Name : Doosan Power System India Pvt.Ltd
Working place : 2X685 MW GMR Power, Raipur.
Designation : Sr .Commissioning Engineer.
Duration : From 18-08-2014 to 19-01-2016.

PREVIOUS EXPERIENCE :

Company Name : DOOSAN HIC .
Working place : 3X660MW STPP, NTPC ,BILASPUR..
Designation : Engineer-C&I COMMISSIONING & Maintenance.
Duration : From 10-07-2010 to 31-07-2014.

JOB PROFILE:

Installation, PreCommissioning, Commissioning & Maintenance

- Commissioning and Calibration of gravimetric Coal feeder(Stock & Merrick).
- Commissioning of Boiler Burner System (Oil gun and ignitor, flame Scanner (Forney), Shut Off Valve's)
- Calibration, Commissioning and maintenance of MOV (auma germany & auma India , Rotork) Control Valves with ABB. Siemens, Dampers & Power cylinder.
- Calibration, testing and installation of Bently nevada vibration sensors in ID, FD, MILL Area.
- Calibration ,installation and maintenance of ABB positioners (TZID,TZIDC-200).
- Calibration, Commissioning and maintenance of smart transmitter like pressure, level, flow , temperature (Rosemount, foxboro,Yokogawa,Siemens,ABB), Ultrasonic level transmitter.
- Temperature Element (Thermocouple & RTD with Thermowell), Digital Flow Meter , HDLS.
- Temperature monitoring system using Acoustic pyrometer .
- Experience in working on control circuits & troubleshooting of faults, suggest improvements.
- Commissioning of solenoid valves, Pneumatic Type Valve & Gates, Control valve Positioner, Local control panels.
- Calibration, Installation and maintenance of Pressure Gauges and Temperature Gauges.
- Calibration, Installation, and maintenance of Switches like pressure, level, temperature etc.

- Capabilities in Diagnostic & failure analysis and able to correlate process disturbance with the incipient Instrumentation malfunction.
- Installation and Calibration of Pressure Indicator, Pressure Switch, Pressure Transmitter, Diff. Pressure Transmitter, Flow Transmitter, Temperature Transmitter, Temperature Element (RTD and Thermocouple), Digital Flow Meter.
- Instruments erection, preparing cable schedule, cabling from field Instrument to field JB & JB to PLC or DCS loop checking, ferruling, cable termination etc. Local Control Panels erection, Testing and Commissioning for system wise.
- Capable of reading & understanding, control drawings & single line diagrams.
- Boiler online maintenance activity, Shutdown maintenance activity.
- Loop testing of different types of transmitters & detectors such as Pressure transmitters, Temperature transmitters, Flow Transmitter Pressure switches etc.

ACADEMICS:

QUALIFICATION	UNIVERSITY/BOARD	YEAR	CGPA/%
M. Tech (Industrial Process Instrumentation)	Andhra University	2009	7.345
B.Tech (Electronics & Instrumentation Engineering)	J.N.T.U	2007	64.69
Intermediate	Board of Intermediate Education	2002	74.10
10 th - SSC	Board of Secondary Education	2000	75.60

Industrial Training:

Undertaken 4 months training on Automation of DM-PLANT USING HIMA PLC in Nagarjuna Fertilizers and Chemicals Limited, Kakinada.

Projects Undertaken:

- Successfully completed B-Tech project on PC –BASED OSCILLOSCOPE. Team Size: 4.
- Completed M.Tech project on Automation of D.M Plant using HIMA PLC H51-HS in N.F.C.L, Kakinada
- Undertaken own project on Water Level Indicator. Team Size 2.

Extra Curricular Accolades:

- Actively Participated in district level cricket.
 - Participated in inter college science exhibition (water level indicator).
 - Actively Participated in inter college chess competitions and badminton (winner)
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PERSONAL PROFILE:

Name: Nanepalli Santosh Kumar

Father's Name: Nanepalli Satyanarayana

Religion: Hindu

Nationality: Indian

Date of Birth: 23rd August 1985

Languages: English, Telugu and Hindi

Declaration:

I hereby declare that all statements made in the application are true, complete and correct to the best of my knowledge and belief. In the event of any information being found false or incorrect at any point of time, my appointment may be terminated at any instant.

I am Confident that I will be able to live up to your expectations.

DATE :

N. SANTOSH KUMAR

PLACE: RAIGARH (LARA)