

# Curriculum Vitae



**SACHIN AGGARWAL**

**Assistant Manager  
Control & Instrumentation  
Power Plant**

Flat NO. 216, TATA Township,  
TATA STEEL BSL LTD.  
Angul, (Odisha)  
Contact No: +91-7894696646  
[dec.sachin@gmail.com](mailto:dec.sachin@gmail.com)  
[sachin.aggarwal@tatasteelbsl.co.in](mailto:sachin.aggarwal@tatasteelbsl.co.in)

## **Career Objective**

I am looking for a good position in the field of instruments and automation in a prestigious company where previous skills and capabilities can be put to efficient use. I possess effective organizational skills and the ability to supervise a team and develop the final output.

## **Experience Scan 10.5 years**

- Duration: August 2010 to Till date
- Company: **Tata Steel BSL**
- Current position: **Assistant Manager**

## **Company Profile**

### **BOILER**

- 1) CFBC Boiler of 4 x 250 TPH Make IJT
- 2) CFBC Boiler of 2 x 425 TPH Make IJT

### **TURBINE**

- 1) 2 x 150 MW Steam Turbine make SIEMENS with SIEMENS GOVERNING system.
- 2) 1 X 165 MW Steam Turbine make SIEMENS with SIEMENS GOVERNING system.

## **Technical skills**

- Software Programming of DCS & PLC in Ladder logic & FBD.
- Hardware assembly of DCS & PLC.
- Work in whole process of DCS / C&I projects, including detailed design (P & IDs, logic diagram, layouts, etc.),
- Power Plant Automation – Engineering, H/W Installation.
- Instrument Installation, Calibration & maintenance.

## **DCS Knowledge**

- Siemens DCS System – Model- SPPA T1000.
- ABB DCS : 800xA

## **PLC Knowledge**

- Allen-Bradley Flexlogix 5434
- Siemens S-7 400
- GE-FAUNC, S/W Logic Developer PLC- Standard, V-7

## **Responsibilities**

- **Responsible** for designing, developing, installing, managing and maintaining equipment which is used to monitor and **control engineering** systems, machinery and processes. And make sure that systems and processes operate effectively, efficiently and safely.
- Maintaining and Troubleshooting of **Siemens T1000 DCS system**, online modifying in logic program with respect to requirement of the plant.
- Maintaining and Troubleshooting of **S7-400 SIEMENS PLC** System with cold redundancy for ASH HANDLING SYSTEM.
- Maintaining and Troubleshooting of **ALLEN BRADLEY system FLEX Logix 5434** used for BURNER MANAGEMENT SYSTEM.
- Knowledge of all control loops related to the CFBC Boiler and Steam Turbine. Also knowledge of all the safety interlocks related to the Boiler and Turbine.
- Experience in Earthing and protection of all kind of panel.
- Maintenance and calibration of pneumatic control valves.
- Maintenance and calibration of different types of transmitters.
- designing and developing new control systems
- Testing, Maintaining and modifying existing systems
- Maintenance and troubleshooting of Air Compressor, Ash handling system.

## **Key strength**

- Technical documentation
- Relationship and Team Management
- able to work under pressure to meet tight deadlines
- Engineering best practices
- Equipment Support and Maintenance

## **Summary of Skills**

- 10.5 years of experience as an instrumentation and control systems engineer in detailed maintenance, commissioning and development co-ordination of instruments and control systems in Power Plant.
- Designing and developing new control systems
- Testing, maintaining and modifying existing systems
- Analyzing data and presenting findings in written reports
- Managing operations
- Working collaboratively with design engineers, operation engineers, purchasers and other internal staff
- Liaising with clients, suppliers, contractors and relevant
- Project management within cost and time constrained environments
- Understanding and ensuring compliance with relevant health and safety regulations and quality standards
- Providing advice and consultancy support
- Configuring and faults diagnosis of DCS, PLC, SCADA, Profibus Communication and Control Loops.
- Installation, calibration and Maintenance of the field instruments (Emerson Rosemount, ABB, Honeywell, Yokogawa,)
- Designing, Implementing and Commissioning of new control loops as per site requirements.
- Technical Support for the instrumentation team.
- Experienced in the field instruments and control systems procurement activities

## **Educational Credentials**

2013	M.B.A (SYSTEM) From IMT	Secured 68%
2010	B.Tech. (Electronics & Communication) BBIET&RC, U.P.T.U. (Ghaziabad)	Secured 66%
2006	12 <sup>th</sup> From CBSE BOARD (Delhi)	Secured 64%
2003	10 <sup>th</sup> From CBSE BOARD (Delhi)	Secured 60%

## **Personal Details**

Name : Sachin Aggarwal  
Father's name : Mr. S. C. Aggarwal  
Date of birth : 31<sup>st</sup> December 1989  
Marital Status : Married  
Nationality : Indian  
Languages Known : English, Hindi  
Permanent Address : SF-1 Shastri Apartment,  
Jain Nagar Society, Panchwati,  
Ghaziabad (U.P.) - 201001

I, solemnly declare that all the information furnished above is true to the best of my Knowledge & belief.

**Date 02<sup>nd</sup> March 2021**

**Signature**

**Place: Angul, (Odisha)**

**(Sachin Aggarwal)**