



MANIKANDAN.G

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## PROFESSIONAL SUMMARY

Talented professional with an extensive background in Mechanical Engineering with 4.8 years of experience, Specialising in Maintenance and Projects of Mechanical equipment.

## WORK HISTORY

### Engineer-Utility Maintenance & Projects, 05/14 to till date

#### Alliance tire Group (ATG) (Taken over by YOKOHMA Rubber)

Alliance Tire Group ("ATG") is a leading name in the global Off-Highway Tires business. It owns three world-renowned brands - Alliance, Galaxy and Primex. The Group has 3 manufacturing facilities, one in Hadera at Israel ("ATI"), and two facilities in India ("ATC") one in Tirunelveli, TN and another in Dahej, Gujarat

### Roles & Responsibility

- Handling and execution of new projects or internal modifications as per company requirements.
- Preparing project plan and execution schedule as per the company needs by preparing Gannt chart and dividing jobs in to micro activities with responsibilities.
- Study the drawings (General arrangement, Layout, P&I, Structural, Piping, Ducting) and executing the project as per the standards in various levels.
- Arranging materials, Service providers on time by closely following up with commercial team and vendors.
- Planning Major shutdown activities in Boiler and other utility equipment.
- Responsible for Preventive maintenance, Breakdown maintenance & Condition based maintenance of utility equipment.
- Preparing Utility Daily, Weekly, Monthly reports, New log book formats, Check lists, and preparing shift schedules.

- Maintaining spares for more than 180+ equipments such as Pumps, Boilers, Compressors, Coal handling system, Fire hydrant system, Ash handling system, HW system, Cooling towers, Vacuum system, diesel yard and etc.,
- Implementing 5s activities, IMS, Kaizen activities, Continuous improvement activities.
- Preparing Budgets for maintenance, improvements and CAPEX requirements.

## **Projects Handled**

- Directed all phases of **15 TPH** coal fired **AFBC boiler** installation and which involves Material procurement, Time scheduling, fabrication, Erection and commissioning including performance guarantee test with necessary IBR formalities.
- Handled and successfully completed more than **25+ projects** individually such as High pressure pump installations in Hot water system, Cold water system, Ash handling system for boilers, Cooling towers, Ducting installation and modification, RO plant installation, Conveyor installation, Pollution control equipment installations (Bag filter & Mechanical Dust collector), DC calorifier, Deaerator tanks, compressors, Chimney (66M) Pipeline fabrication and erection (Water, Steam, Compressed Air, Vacuum).

## **Venus Energy Audit System – Coimbatore**

### **Graduate Engineering trainee – May-13 to May-14**

Venus energy audit system is formed to conduct quality auditing of power plants. This work involves auditing of power plant & Process at various stages such as Design, Construction, Operation and shut down.

The MD of the company Mr.K.K.Parthiban, B.Tech (IIT), M.E (Boiler-Consultant) is one of the famous boiler consultants in India. I had the opportunity to work with him.

### **Roles and responsibilities**

- Preparing technical reports based on the data collected/ Study conducted / developed.
- Preparing CAD drawing based on the fault findings in design review of boiler under expert guidance.
- Preparing production drawing for boiler pressure and non-pressure parts, Supervision of suggestion implementation in sites.
- Coordination between company and client throughout the projects in technical and commercial terms.

## Projects handled

- M/s Suryadev Ferro alloys & Power limited – Chennai – 2 x 330 TPH (CFBC boiler)  
**(Boiler performance and operational reviews with design)**
- West coast paper mills, Hubli – 1 X 125 TPH (AFBC boiler)  
**(Evaporation ratio improvement, Trouble shooting of high auxiliary coal consumption)**
- Apollo tires pvt ltd – Chennai – 1 x 25 TPH (AFBC boiler)  
**(Tube failure diagnosis and operational reviews)**

## Major contribution & Achievements;

- Planned and completed many shutdown jobs which were highly challenging with minimum timeline and resources.
- Involved and achieved water, steam, coal reduction activities by implementing various projects, addressing radiation losses, identifying opportunities for improvements in process, arresting leaks, trap functioning, CRPS system, Flash steam recovery, blow down steam recovery, Effimax implementation and etc.,
- Recognized for consistently delivering projects within deadline.
- Involved in SAP implementation and document preparation activities.

## **Skills:**

- High level oral and written communication skills.
- CAD, MS (Excel, Word, Power point), SAP.
- Boiler Efficiency calculations, Combustion calculations, Basics of piping design
- Good leadership quality and quick learner.

## **EDUCATIONAL QUALIFICATION**

Duration	Name of the college/school	Percentage	Medium
2009-13	TAMILNADU COLLEGE OF ENGINEERING	75.4	B.E (Mech)

## **Personal information;**

Name : Manikandan.G  
DOB : 22-05-1992  
Blood group : B+  
Languages Known : Tamil, English, Hindi

The above furnished information is true as per my knowledge.

Yours faithfully  
G.Manikandan