##### **VIJAYAKUMAR**

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**Career Objective:**

To attain a challenging job in **Metallurgical Engineering** field where my all the skills &

Expertise can be applied for executing the tasks given to me and also further my personal capabilities by

Learning from the new exposure within the structured framework of the organization.

## Technical Experience:

E**mployer 1:**

**SE FORGE LTD (Suzlon Group Foundry), Coimbatore.**

**Designation: Sr.Engineer (Melting & Process Control)**

**Period: Sep 2010 to Till Now**

**Company Profile:**

One of the leading windmill products manufacturing company in

Coimbatore. Foundry production is 3000 MT/Month. Seforge foundry division, certified

With ISO9001:2008 and EMS 14001, OHSMS. Company supplying the components

For customers like Suzlon, Hansan, GE Power, RE Power

### Technical Responsibilities:

* Induction furnace (12MT Capacity) lining (acid base ramming mass) & sintering process.
* Ladle lining & Bottom pouring basin lining (Alumina fire brick 30 – 40 % alumina)
* Arranging raw materials for melting process as per planning
* Controlling the composition as per specification to achieve the desired mechanical properties of the component. (by spectro analysis)
* Process control for foundry grade grey iron GG20,GG25
* SG iron 400/12,500/7,400/18,350/22
* Steel Grade 42CrMo4,355NL
* Conducting productivity improvement meeting for team members every week for controlling the rejections
* Responsible for melting and pouring activities.
* Melting production of Grey , S.G Iron & Steel
* Mg Treatment method in Sandwich method.
* ERP entry
* Monitoring of Bill of materials with plan vs actual

**Employer 2:**

**Amma Alloy India Pvt Ltd, Coimbatore**

**Designation: Engineer (Melting)**

**Period: October 2008 to Sep 2010**

**Company Profile:**

One of the leading company for manufacturing Grey iron casting in Coimbatore.

Amma Alloy is certified to ISO 9001:2008, ISO/TS 16949:2009 & ISO 14001:2004. Major suppliers of the

Components for customers like Texmo Industries Coimbatore, LUK India Limited Hosur, Ashok Leyland

(Hosur) & Tata Motors, etc...

### Technical Responsibilities:

* Induction furnace lining & sintering process.
* Arranging raw materials for melting process
* Controlling composition as per specification to achieve the desired mechanical properties of the component. (by Spectro analysis)
* Process control for foundry grade grey iron GR180,FG20,GG25,FG300
* Conducting productivity improvement meeting for team members every week for controlling the rejections
* Responsible for melting and pouring activities.

**Employer 3:**

**Sree Rengaraaj Ispat Pvt Ltd, Perundurai.**

**Designation: Jr.Engineer of QC and Process Department**

**Period: March 2005 to October 2008**

**Company Profile:**

Company having 350 TPD sponge iron (Coal based DRI Process) plant in SIPCOT

Industrial growth centre, Perundurai, Erode, Tamilnadu. They supply their sponge iron products to various

Induction furnace, Foundry division and also for blast furnace. They also produce 8 MW power plant

Using the waste gas from the sponge iron plant.

### Technical Responsibilities:

* Maintaining kiln temperature and pressure according to the quality of the product
* Maintaining and controlling the reduction and metallic Iron Percentage of the product
* Controlling and maintaining the chemical composition of the Sponge Iron.
* Adjusting and controlling the boiler I/L temps, Steam flow, for power production etc.,
* Responsible for chemical analysis of the raw materials like Iron ore, Coal, limestone & final

Products of Sponge iron (Lumps & Fines), Char Coal.

**Employer 4:**

**Texmo Industries, Coimbatore**

**Designation: Jr.Engineer - Trainee**

**Period: May 2003 to March 2005**

**Company Profile:**

Texmo Industries has been at the forefront and been the pace setters in the electric

motor and agricultural pump. Texmo Industries is certified to ISO 9001 and ISO14001 by BVQI. The

company also follows guidelines covered under the social accountability standard SA8000.

### Technical Responsibilities:

* Control the tapping temperature & pouring temperature
* Controlling composition as per specification.
* Process control for foundry grade grey iron GR180,FG20,GG25,FG300
* Responsible for melting and pouring activities.

. **Computer Skills:**

  MS Office (MS word, Excel, Power Point)

            AutoCAD & Internet

**Improvements:**

* Part of contributions Reduced Melting Energy 590 units/T from 650units/T
* Reduced the alloy ( FeSiMg ) Consumption 1.45% to 1.25%

* Increased the lining life 150 to 250 heats/lining
* Part of contributions Reduced Melting defect rejection 1.5% to 0.5%

**Academic Qualification:**

1. **Diploma in METALLURGICAL ENGINEERING** at Sakthi Institute of Technology, in April 2003, obtained first class.
2. **HSC**, State Board, Government High School, DhalavaiPettai , in March 1999
3. **SSLC**, State Board, Government High School, DhalavaiPettai , in April

1997

**PERSONAL INFORMATION**

Date of Birth : 16.04.1982

Nationality : Indian

Religion : Hindu

Marital Status : Married

Languages Known : Tamil, English

**DECLARATION:**

I hereby declare that the above said information are true to my knowledge.

YOURS FAITHFULLY,

**(VIJAYAKUMAR)**