**SATISHKUMAR**

**B.Tech (Metallurgical and Materials Engineering)**

**NIT Durgapur, India**

**PRESENT ADD**: - DDA FLAT NO-889,4TH FLOOR,NEW KONDLI, MAYUR VIHAR PHASE-3, DELHI-110096

**PERMANENT ADD**: - KHERIYA KHURD, POST-JATTARI, DIST- ALIGARH (U.P.)-202137

**BUZZ:** +91-8285470304/8178060087 E-mail:[skumarnitd@gmail.com](mailto:skumarnitd@gmail.com)

**OBJECTIVE**

To obtain a Metallurgical Engineer position in an organization with potential to expand and grow and To be a part of an organization that stimulates creativity and demands analytical ability and excellent interpersonal skills. I aspire for a dynamic career in a challenging environment with tremendous potential for personal and organizational growth.

**EDUCATIONAL DETAILS**

* Bachelor of Technology in “Metallurgical and Material Engineering” from National Institute of Technology (**NIT**) (A Deemed University), Durgapur, West Bengal, India.-Duration:-2010-2014 with 62.90%
* Higher Senior Secondary in Science from Jawahar Navodaya Vidyalaya, Sujanpur, Khair, Aligarh, under CBSE New Delhi. Duration: - 2007-2008 with 74.80%
* Higher Secondary in Science from Jawahar Navodaya Vidyalaya, Sujanpur, Khair, Aligarh, under CBSE New Delhi. Duration: - 2005-2006 with 79.60 %

**TECHNICAL SKILLS**

## Heat Treatment of Steels.

## Behavior of Metallic or Non Metallic elements.

* Familiarity with IS, ASTM and SAE material standards.
* Mechanical Behavior of Materials
* Iron & Steel Making

**WORK EXPERIENCE & ACTIVITIES**

* **Name of the Organization** :- Punjab Bevel Gears Ltd(PBGL)
* **Designation** :- Metallurgist
* **Working Period**: - 04th August 2016 to present.

It is well reputed organization which is major manufacturer of Crown wheel and Pinion. It is also manufactured Different type of Gears, Bevel Gears, shaft and differential cages. PBGL with more than 200 different variants of gears is one of the leading manufacturer, supplier and exporter of parts suitable for industries like commercial vehicle, Agriculture equipments, Tractors, Passenger Car, Three-wheeler and construction equipment.

**CUSTOMER PROFILE: -**

* Tata Motors, American Axle and Manufacturing, TAFE, John Deer, Dana, International Tractors, Indo farm equipments Etc.

Presently I am working with PBGL as Metallurgist and Heat Treatment In charge at Sitarganj plant, Uttarakhand.

* Working experience on Heat Treatment Process like Gas Carburizing, Hardening, Tempering, Induction Hardening.
* Analysis of Metallurgical aspect of material in terms of hardness, microstructure, tensile, impact testing, spectro and its implications on the performance of components.
* Knowledge of ISO/TS16949.
* I am capable independently handle and guide HT, metallurgical and quality aspect.
* Working Knowledge of Sealed Quench Furnace, Pit type Carburizing furnace, Rotary Furnace and Continuous Gas Carburizing Furnace.
* Working Knowledge of Die Press Quenching Machine.
* Working knowledge of QA system related to heat treatment.
* **Name of the Organization** :- **Ramco Steels Pvt Ltd**
* **Designation** :- Assistant Metallurgist
* **Working Period**: - 02nd November 2014 to 02nd August 2016.
* Is a well reputed organization which manufacturing the Automotive components by using the hot forging, heat treatment and CNC Machined. Types of components manufacturing approx. 1500 by using more than 30 Steel Grades for different customer like Hero Motors Ltd , Graziano Transmission , RACL Geartech Ltd ,SAN AUTO ,Bharat Gears Ltd, Rane NSK Pvt Ltd, Bharat Carbide are domestic customer and Also for Export customers like DANA India , DANA Italia, PMC Cylinders, GMT India , GMT Germany, CAB,USD, FDS, Joust etc.
* Working with M**/S Ramco Steels Pvt Ltd**, (Forged & CNC Machined Components) Faridabad, Haryana, India from Nov 2014 to August 2016. As an Assistant Metallurgist in Heat Treatment lab and I/C Lab.
* I am having the work experience of heat treatment production and knowledge of heat treatment quality lab.
* **Process Normalizing, Annealing and Isothermal annealing:** we are using these processes as per customer requirement for the production of different components.
* Responsibilities: - Receiving Raw material, Entry in the Raw material Register, inspection of incoming raw material, than evolution of sample for testing like Chemical Composition, Metallurgical Inspection and Physical Testing.
* Metallographic structure through video image analyzer.
* Step dawn testing, microstructure analysis, inclusion rating, and grain size inspection.
* After Forging and Heat Treatment process grain flow and Microstructure analysis.
* Having the record of raw material and all incoming and outgoing material testing Reports.
* Jominy Harden ability Testing.
* Records maintenance pertaining to lab and Heat Treatment activities.
* Implementation of heat treatment cycle for new component in house after successful trial
* Investigation of MPI.
* Handling of equipment like Microscope, Brinell hardness tester, Rockwell Hardness Tester, Vickers Hardness Tester or micro Hardness Tester.
* Making of purchase Order of Raw Material.
* To make a proper production plan according to the raw material and further requirement.
* Conduct **5 S** Audits Daily in the dept.
* Man power planning.
* Adhere the PPC production plan V/s actual.
* Reduce the In-house line rejection of Heat-Treatment by using the kaizen/Poka-Yoke
* Achieving and maintaining goals towards target and continual improvement.
* Working on Cost saving project.
* Monitor availability of Critical spare parts and consumable item.
* To check and maintained the quality of heat treated component according to the Requirement.
* To validate and develop the process according to the customer requirements.

**COMPUTER HARDWARE & SOFTWARE SKILLS**

* MS-Office (Word , excel, Power Point etc)
* Origin Pro. Adobe Photoshop6.0, Window XP, Window-8, 10.
* Internet browsing with browsers Internet explorer8.0, Google Chrome & Mozilla Firefox

**SPECIALITIES**

* Dedication, adaptability, hard-working, time management, Supervision, Workforce management, event management.
* Good presentation & Communication skills.
* Enthusiastic and quick learner.
* Good thought process.

**INDUSTRIAL TRAINING**

BHEL Hardwar: - One month Vocational Training on CFFP & NDT underAGM S.DALDER.

* NDT- : Different types of Nondestructive testing.
* SMS: -Basics of Steel melting shop. Forging, Grinding, Finishing of work piece etc.

**ACADEMIC PROJECTS**

* NIT DURGAPUR: - Project on “Heat Treatment of Iron Pellets with addition of Binders & Additives of Different Types and Observing Microstructure” Under guidance of Asst. Prof.SushantaPramanik
* NIT DURGAPUR: - “To calculate the Bainite Nose temperature for different plain and alloy steels” Under guidance of Asst. Prof. R.N.RAY.

**EXTRACURRICULARS/POSITIONS OF RESPONSIBILITY**

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## Active Member of “NSS” [National Service Scheme]

## Won a Shield at school level in “Youth Parliament Meet” at JNV Etah

## Leader of Scouts and Guidegroup at JNV Aligarh

## House Captain of Udai Giri House for seven year in JNV Aligarh

## Mess committee Member for Seven year in JNV Aligarh

## Head of “Raj Bhasha Samiti” at School

**HOBBIES & INTERESTS**

## Reading Religious Books

## Playing Handball and Volleyball, Watching Movie

**PERSONAL DETAILS**

* Father`s Name : Mr.Ramdayal Singh
* Nationality : Indian
* Date of Birth : 30-April-1989
* Sex : Male
* Marital Status : Single
* Languages Known : English, Hindi
* Passport Availability : Yes

**DECLARATION:-**

* **I, hereby declare that all the above furnished details are true up to my knowledge and sufficient proof will be produced if required.**

Date:-

Place: -Delhi (SATISH KUMAR)