

**SUMMER INTERNSHIP REPORT**  
Conducted at  
**GMI Zarhak Moulders Pvt. Ltd.**  
(SHAKTI INDIA)

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**SUMMER INTERNSHIP REPORT**

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Submitted to  
**Malaviya National Institute of Technology, Jaipur**  
in the partial fulfillment of requirements for  
the award of degree of  
Master of Business Administration Session  
[2023 - 25]

Submitted by  
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**JAIPUR RAJASTHAN-302017**



## **ACKNOWLEDGEMENT**

The opportunity to work with GMI Zarhak Moulders Pvt. Ltd. during my summer internship training was truly incredible. It provided me an opportunity to enhance my learning with a wonderful professional exposure. I am grateful to have become a part of the it.

I would like to express gratitude to Mr. Blaise Costabir (Managing Director at GMI Zarhak Moulder Pvt. Ltd.), Mr. Pradeep Prabhakar Vaishnav (Factory Manager) and Mr. Atul Naik (Executive Assistant of MD), who supported and guided me throughout the internship. I would also like to thank Mr. Prashant Kherdekar (Maintenance manager) and Mr. Jagdish sunder raj Pillai (Store Manager) for giving me this opportunity and guidance throughout the internship.

In addition, I would like to thanks Mr. Mahku Yamger (Production and Quality engineer) and Mr. Ganesh Jagtap (Production and Quality engineer) my colleagues during the internship for being so co-operative. At last, I would want to sincerely thank Dr. Ayush Gautam and placement cell of Malaviya National Institute of Technology Jaipur, my place of education, for helping me finish the summer internship that improved both my personality and my skill set. This experience will assist me in reaching my intended career goals, and I will make every effort to use the knowledge and skills I've gained to my future endeavors in order to perform better.

- Somen Kumar Bhakat

## **EXECUTIVE SUMMARY**

The internship opportunity at GMI Zarhak Moulders Pvt. Ltd., was a great exposure to a roto moulding industry. After going through a training of nearly two months from (22th May-05th July,2024) I was able to understand how the roto moulding unit works and what role Operations Department plays in the smooth functioning of the plant.

### **Organization-**

SHAKTI a name associated with power, strength & performance

GMI Zarhak Moulders, A Rotomoulding manufacturing company, was established in 1995 in Goa. The Company manufactures and markets successfully the well-known SHAKTI Brand of Water Tanks, Loft Tanks, Barrels; which have become the No.1 brand of water tanks in the Goan market, known for its good quality and superior design. The company expanded its product range to include Pallets, Crates, Storage Bins, etc. With the desire to help the environment, the company ventured into Septic Tanks, Vermi Composting Bins, In-line Grease Traps, Roller Bins, Dustbins, Bio Digester and Water Harvester. A joint venture with a French Company Groupe Maillard Industries, marked its foray into manufacturing custom moulded products such as Fuel Tanks, Onboard Water Tanks, Liner Tanks, Consoles, Splashguards for companies such as Volvo, John Deere, Atlas Copco, Godrej, Putmeister, Writgen, Godrej to mention a few.

The Company has manufacturing units in Goa and Pune. It is ISO 9001: 2008, ISO 14001: 2004, OHSAS 18001: 2007 CERTIFIED

### **Project Title and Introduction -**

The title of the project is “Efficiency of Heating Gun.” The objective of the project was to know how to finding the productivity of the heating gun vis-à-vis its cost and calculating its efficiency. The data for study was obtained through survey. Apart from the project I came across the various functions and responsibilities of the Operations Department and learnt the practical implication of the Operations Department of the organization. Working in the two subsections out of three of Operations Department (Production, Quality control and Inventory management) and I experienced how diverse and important the role of an operations is for the growth and stability of a company.

An overview of the organization, its goals, vision, mission is provided at the outset of this report along with organizational structure and policies. The report's second section covers the detail about project and overview of leanings in the department.

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# **CHAPTER 1-**

## **AIM & ESTABLISHMENT OF THE COMPANY**

### **1.1 History of roto moulding industry in India-**

The Rotomoulding (rotational moulding) industry in India has evolved significantly since its inception in the early 1980s. Initially, the technology was imported, and Indian manufacturers primarily produced simple plastic products like water tanks, fuel tanks and containers. By the 1990s, local companies had established their own facilities, improving the quality and range of rotomolded products. The 2000s marked a period of innovation and diversification, with companies like Sintex Plastics and Vectus Industries emerging as major players. GMI Zarhak Moulders Pvt. Ltd. Through its Shakti brand, gained prominence for its high-performance products. Today, the industry focuses on sustainability, using ecofriendly materials and energy-efficient processes. There is also a growing trend towards automation and advanced technologies, which enhance production efficiency and product quality. The Indian Rotomoulding industry continues to expand, positioning itself for a sustainable and innovative future.



## **1.2 Introduction to GMI Zarhak Moulders Pvt. Ltd.-**

### **Our Vision**

- To be the best in Class is the key driver to ensure we are the customers "Preferred Supplier of Choice".
- Create a safe and productive operating environment.

### **Our U.S.P.**

- We offer technical solution based on customer needs.
- Proximity to customers help reduce customers storage, handling and financing costs.
- Our in-house design department ensures proper Mould manufacturing,
- We supply parts to the customer's doorstep on a 'Just-In-Time' basis.
- We adhere to strict quality standards.
- Our Company is ISO 9001:2008; ISO 14001:2004 and OHSAS 18001:2007 certified.

### **Company logo**



Fig-1.1 GMI Zarhak Moulders Pvt. Ltd. Logo

The logo of GMI Zarhak Moulders Pvt. Ltd. Features a sleek and modern design that effectively communicates the company's values and identity. The "GMI" is written in a cursive, elegant script, suggesting a personalized and professional approach. In contrast, the word "zarhak" is displayed in bold, bright yellow letters, symbolizing strength, reliability, energy, optimism, and innovation. Beneath "zarhak" the phrase "Moulders Pvt. Ltd." Is in smaller, white serif font, which conveys a sense of tradition and trustworthiness. The color scheme includes a black background, providing a strong contrast that makes the text and colors stand out clearly. Black is often associated with sophistication and elegance, while white signifies clarity, simplicity, and purity.

**Awards to GMI Zarhak Moulders Pvt. Ltd.-**

- Goa Management Association's Manager of the year 1999
- Commendation Certificate: Rajiv Gandhi Quality Award 2000
- Small Scale Entrepreneur Special Recognition Award – 2000 by the Ministry of Small-Scale Industries, Govt. Of India. National Entrepreneurship Award from Government 2001
- Businessman of the Year 2016 by NRB Group Business Goa Awards for Corporate Excellence.
- Volvo CE - India – Best Supplier in MSME 2017

**Position in industry-**

GMI Zarhak Moulders Pvt. Ltd. is a leading player in India's roto-moulding industry. Established in 1995 and partnered with Groupe Maillard Industrie (GMI) of France since 2004, the company is renowned for its SHAKTI brand of durable water and industrial storage solutions. With manufacturing units in Goa and Pune, GMI Zarhak emphasizes quality, innovation, and customer satisfaction, holding ISO 9001:2008, ISO 14001:2004, and OHSAS 18001:2007 certifications. Their product range includes custom-built solutions for automotive, industrial, and marine applications, reflecting their strong commitment to research and development (Shakti India) .

### **1.3 Types of Products given/ produced**

The company offers a wide range of cement products and solutions for the need of wide range of customers. From wide range of cement for industrial applications to specialized products for infrastructure projects and individual home-building, our portfolio is reflective of commitment to innovation and customer satisfaction.

#### **PRODUCT:**

##### **LIQUID STORAGE**

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WATER TANKS



HORIZONTAL WATER TANK



LOFT TANK



BARRELS

##### **ENVIRONMENT FRIENDLY PRODUCTS**

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SEPTIC TANK



WASTE BINS



PLASTIC VERMI COMPOSTING  
SYSTEM



PLANTERS



ROLLER BINS



IN-LINE OIL AND GREASE TRAP



BIO DIGESTER



RAIN WATER HARVESTER

##### **INDUSTRIAL STORAGE AND MATERIAL HANDLING**

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PALLETS



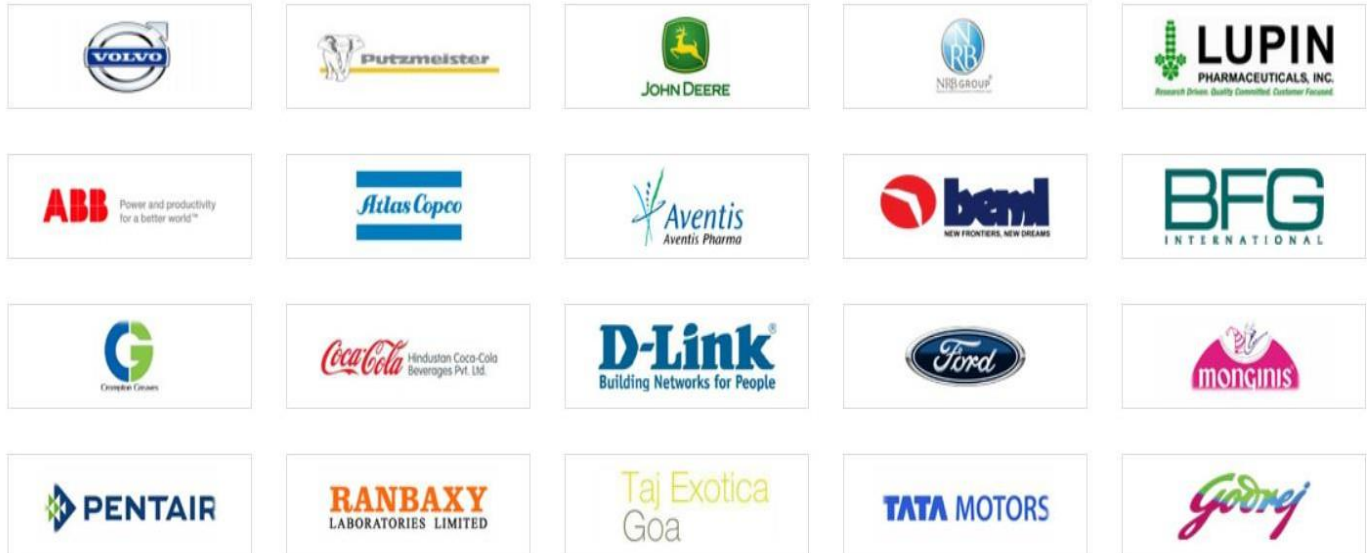
STORAGE BINS



CRATES

## CUSTOM PRODUCT

GMI Zarhak has successfully delivered custom built products to the following esteemed clients:



### 1.3 Mission statement and aim of the company

#### **Our Mission**

- Keep "Customer Delight" as our guiding principle for all decisions.
- Work with Suppliers as "partners in progress".
- Provide adequate returns to Shareholders.

#### **Values-**

##### 1) Integrity

Acting and taking decisions in a manner that is fair and honest. Following the highest standards of professionalism and being recognized for doing so. Integrity for us means not only financial and intellectual integrity, but encompasses all other forms as are generally understood.

##### 2) Commitment

On the foundation of Integrity, doing all that is needed to deliver value to all stakeholders. In

the process, being accountable for our own actions and decisions, those of our team and those on the part of the organization for which we are responsible.

3) Passion

An energetic, intuitive zeal that arises from emotional engagement with the organization that makes work joyful and inspires each one to give his or her best. A voluntary, spontaneous and relentless pursuit of goals and objectives with the highest level of energy and enthusiasm.

4) Ensure all transactions are fair and ethical.

**Dominated brand and competitors-**

Rotomoulding industry is the main beneficiaries of the infrastructure development in the country. It plays a key role in the growth and expansion of the nations. There are many big cements brand which plays great role in the development of Cement Industry in India, some of them are as follows-

1. Sintex Plastics
2. Roto Tank
3. BDI Group
4. Vectus Industries Limited
5. Nilkamal Limited

## **CHAPTER 2**

### **POLICY OF THE COMPANY**

#### **2.1 Policies of GMI Zarhak Moulders Pvt. Ltd.**

The company is committed to provide rotomolded products which meet the customers' requirements. The company commits to adhere to all relevant QEHS Legislation & other applicable regulations with a special commitment to prevention of injury and ill health and prevention of pollution by understanding the safety and environmental impacts of its activities, products and services and all other statutory and regulatory requirements related to the product and strive for continual improvement of all its processes through periodical reviews, sufficient empowerment and monitoring of the established QEHS Objectives, targets & programs

Generally, QEHS is implemented according to the following ISO standards:

- ISO 9001: an international standard that defines the requirements for a Quality Management System.
- ISO 14001: an international standard that defines the requirements for an Environmental Management System.
- ISO 45001: an international standard that defines the requirements for an Occupational Health and Safety Management System which supersedes the OHSAS 18001 standard.

#### **1) Safe Operations**

Ensuring a Healthy and Safe work environment

The organization try to create a healthy and safe work environment for all of its employees and associates.

Health and Safety of workforce is a core value of GMI Zarhak Moulders Pvt. Ltd. Safety is at the heart of what they do - from the daily operations of factories to customers and; plant sites and the activities in our neighboring communities. They strive to conduct the business without harming employees and to create a healthy and safe environment for employees, contractors, suppliers, communities, customers and all stakeholders. In addition, more than 80% of our factories are certified according to OHSAS 18001/ISO 45001 standards. Concrete actions and strategic solutions to make GMI Zarhak Moulders Pvt. Ltd. a safer place to work.

## CHAPTER 3

### ORGANIZATIONAL STRUCTURE OF THE COMPANY AND KEY PERSONNEL

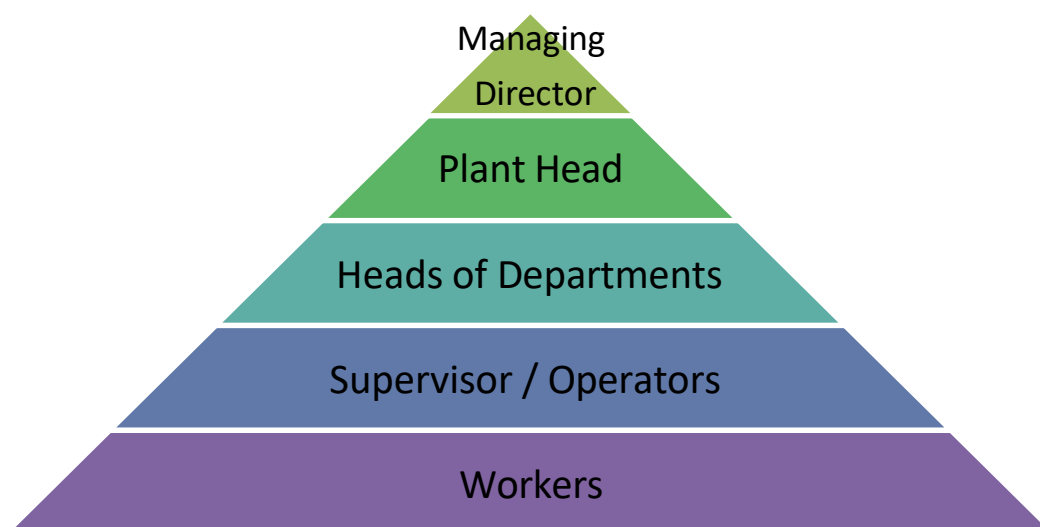
#### **3.1 Organizational Chart at GMI Zarhak Moulders Pvt. Ltd.**

GMI Zarhak Moulders Pvt. Ltd. have four departments across the units namely Production, Quality, Marketing, Human Resource and Finance and Commercial. Each department further have sub sections. All the department follows hierarchical structure in the organization which is further shown in figures 3.1 & 3.2

#### Departments In GMI Zarhak Moulders Pvt.



**Fig 3.1- Departments in GMI Zarhak Moulders Pvt. Ltd.**



**Fig 3.2 – Hierarchical Structure at GMI Zarhak Moulders Pvt. Ltd.**

### **3.2 Key Personnel at GMI Zarhak Moulders Pvt. Ltd.**



**Fig 3.3 Mr. Blaise Costabir**

**Managing Director of GMI Zarhak Moulders Pvt. Ltd.**

First generation entrepreneur, who heads GMI Zarhak Moulders, an Indo French JV, manufacturing well-known brand of water tanks SHAKTI and custom moulded technical parts. Enjoys reading and travelling. He has been involved with various industrial bodies in Goa viz. Goa State Industries Association, CII, Verna Industries Association. He is a writer and part time faculty at management institutes. He has been involved with educational institutes in various positions such as Ex-Chairman ITI, Margao, Member Don Bosco Engineering College Governing Board, Ex-Member IMC Goa Pharmacy College. He has been Director of Goa Industrial Development Corporation and is Member Rotary Club of Margao Midtown.





**Fig 3.4 Mr. Pradeep Vaishav**

**Factory Manager, GMI Zarhak Moulders Pvt. Ltd.**

Pradeep Vaishnav is the Factory Manager at GMI Zarhak Moulders Pvt. Ltd., located in Pune, Maharashtra. In his role, he oversees the efficient operation of the factory, ensuring that production targets are met while maintaining high standards of quality and safety. Mr. Pradeep plays a crucial role in implementing the company's strategic initiatives and operational plans. His leadership and expertise significantly contribute to the growth and success of GMI Zarhak Moulders, making him a key figure in the company's management team.



**Fig 3.5 Mr. Atul Naik**

**Executive Assistant to the MD, GMI Zarhak Moulders Pvt. Ltd.**

Mr. Atul Naik serves as the Executive Assistant to the Managing Director at GMI Zarhak Moulders Pvt. Ltd., a prominent manufacturing company. With his expertise in administrative management and executive support, Mr. Atul plays a crucial role in streamlining operations and facilitating communication within the organization. His responsibilities include coordinating schedules, managing correspondence, and ensuring the efficient execution of strategic initiatives. His efforts help maintain the high standards and operational efficiency that GMI Zarhak Moulders Pvt. Ltd. is known for.

## **CHAPTER 4**

### **WORK EXPERIENCE**

#### **1.1 Experiential learning -**

I have selected the area of Operations for my Summer Internship Program.

The Operations Department at GMI Zarhak Moulders Pvt. Ltd. is critical in ensuring efficient production processes and maintaining high standards of quality. This department manages the entire manufacturing workflow, from raw material procurement to finished product delivery. Key responsibilities include production planning, process optimization, maintenance of machinery, and adherence to safety protocols. The team focuses on continuous improvement, leveraging technology and best practices to enhance productivity and reduce waste. By coordinating closely with other departments such as Quality Assurance and Supply Chain Management, the Operations Department ensures that production goals align with the company's overall strategic objectives.

#### **Division of Operations**

Operations have become a very wide and dynamic aspect at organizations. Dealing with them is a very challenging job. At GMI Zarhak Moulders Pvt. Ltd., Operations involves the following divisions -

- Quality
- Production
- Supply chain Management

I have explored the areas of Quality and Production along with the project Efficient working for Heating Gun as Operations Intern at GMI Zarhak Moulders Pvt. Ltd.

## **Project at GMI Zarhak Moulders Pvt. Ltd.**

*Project Name-* Productivity of the Heating Gun Project

*Project Objective-* Finding the productivity of the heating gun vis-à-vis its cost and calculating its efficiency.

The project was given by the Mr. Blaise Costabir (Managing Director). I along with my Supervisor Mr. Atul Naik. I started the project by understanding the mechanism of Heating Gun and examine that how the heating gun increases the productivity of the production. Analyze create thinks like welding per parts cost, Labour cost break even of the heating gun, time spent welding each product type/ model and etc. based on that I concluded the project.

### **Introduction:**

GMI Zarhak Moulders Pvt. Ltd. is dedicated to producing high-quality moulded parts. The report aims to analyze the efficiency and cost of the welding process used in manufacturing, particularly focusing on the consumption and cost implications of using heating guns.



### **Objectives:**

- Determine the average number of parts welded before a heating gun is replaced
- Calculated the cost of the welding gun per part.
- Analyze the time spent welding each product type/model.
- Identify if any Mould-making parts required more welding.
- Present cost of labour associated with welding.
- Propose strategies to eliminate or reduce welding requirements.

## Analysis: Welding Gun Usage and Replacement

### 1. Average Number of Parts Welded Per Gun:

Gun Id	Life Span	Status of Gun	Part Welded Per Gun	Part welded per Gun (in month)
225001670	27/05/23 - Present	In Use	31262	2405
225001669	27/05/23 - Present	In Use	31262	2405
324000162	12/10/23 – 11/05/24 (7 Months)	Scraped	6745	964
324000128	12/10/23 – 11/05/24 (7 Months)	Scraped	6745	964
324000602	06/01/23 – 11/05/24 (15 Months)	Scraped	39972	2665
324000590	06/01/23 - Present	In Use	42270	2642

Average parts welded per gun:  $(2405 + 2405 + 964 + 964 + 2665 + 2642) / 6$   
 $= 2007 \sim \mathbf{2000 \text{ units}}$

### 2. Cost of Welding Gun Per Part:

- Cost of one heating gun: Rs. 6850
- Average parts welded per gun: 2000
- **Cost per part:**  $\frac{6850}{2000} = \text{Rs. } 3.42 \sim \mathbf{\text{Rs. } 3}$

## Time Spent Welding Each Product

### 1. Time Study Data:

Assuming the rate is Rs. 6.47 per unit.

Product / Type	Time Per Part (In minutes)	Time Per Part (In hours)	Electricity Consumed (In Rs.)
JD 5D BS4 6LugsSS ULSD...	16 mins	$16 / 60 = 0.267$	$0.267 \times 6.470 = 1.72$
JD 5E BS4 6LugsSS ULSD...	15 mins	$15 / 60 = 0.250$	Rs.1.617
JD CAB TA28191 FUEL TANK	17 mins	$17 / 60 = 0.283$	Rs. 1.831
AC 100L FUEL TANK	15 mins	$15 / 60 = 0.250$	Rs. 1.617
AC 80L FUEL TANK	16 mins	$16 / 60 = 0.267$	Rs. 1.727
Dynapac CC125 Water Tank	19 mins	$19 / 60 = 0.317$	Rs. 2.05
AC Water Tank Orange 5294...	15 mins	$15 / 60 = 0.250$	Rs. 1.617
AMMAN ARX32 Water Tank BK 1757001	20 mins	$20 / 60 = 0.333$	Rs.2.154

## Mould Making and Welding Requirements

### 1. Mould Analysis:

Product / Type	Welding Complexity	Additional welding Requirement
JD 5D BS4 6LugsSS ULSD...	Low	Partially Yes
JD 5D BS4 6LugsSS ULSD...	Low	Partially Yes
JD CAB TA28191 FUEL TANK	Medium	Yes
AC 100L FUEL TANK	Low	No
AC 80L FUEL TANK	Low	No
Dynapac CC125 Water Tank	Medium	No
AC Water Tank Orange 5294...	Medium	No
AMMAN ARX32 Water Tank BK 1757001	Medium	No

### Cost Analysis:

Labour Cost Calculation:

Salary of Labor = Rs. 16000

Day wise wages =  $\frac{16000}{26} = \text{Rs. } 615$

Hourly wages =  $\frac{615}{12} = 51.25 \sim \text{Rs. } 50$

Product / Type	Time per part(hour)	Labour Rate (Rs / hours)	Labour Cost per Part (Rs)
JD 5D BS4 6LugsSS ULSD...	0.267	50	$0.267 * 50 = 13.35$
JD 5D BS4 6LugsSS ULSD...	0.250	50	12.5
JD CAB TA28191 FUEL TANK	0.117	50	5.85
AC 100L FUEL TANK	0.250	50	12.5
Dynapac CC125 Water Tank	0.317	50	15.85
AC Water Tank Orange 5294...	0.250	50	12.5
AMMAN ARX32 Water Tank BK 1757001	0.333	50	16.65

### Examine New Heating Gun

**Old Heating Gun: Model:** GHG 20-63  
**Heating Gun:** 630°C  
**Energy Consumption:** 2000 watt  
**Weight:** 0.65 kg  
**Price:** Rs. 5400.00

**New Heating Gun: Model:** GHG 20-63  
**Heating Gun:** 50°C - 630°C  
**Energy Consumption:** 2000 watt  
**Weight:** 1 kg 270 g  
**Price:** Rs. 6850.00

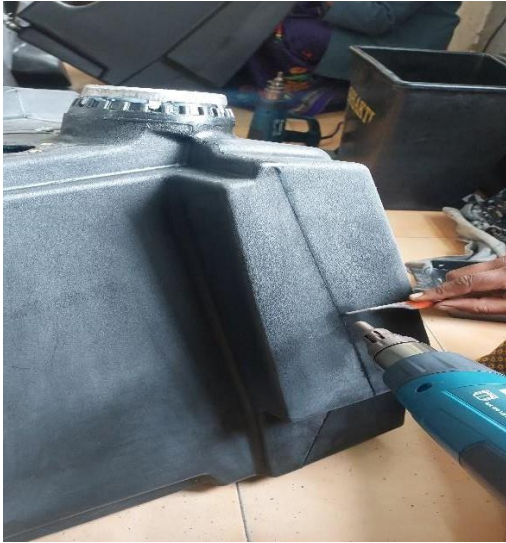
Gun ID	Date of Issue	Cost (In Rs.)	Time for welding	Remarks
332000564	11/06/2024	Rs. 6850	14 min – 17 min	Heat up time is very low. Welding time is also reduced.
332000571	11/06/2024	Rs. 6850		Heat up time is very low.
332000577	11/06/2024	Rs. 6850		Same heat up time is very low and giving accurate airflow

### Summary of Findings

- Heat Up Time:**
  - All three heating guns have been consistently noted for their very low heat-up time.
  - This is a crucial factor as it allows for quicker start-up and operational readiness, reducing idle time and potentially increasing productivity.
- Welding Time:**
  - All the heating gun takes nearly 14 to 17 min for welding each part or job.
  - This reduction in welding time can lead to more units being welded in the same period, enhancing overall efficiency.
- Cost:**
  - The cost of each heating gun is Rs. 6850, which is consistent across all units.
- Performance:**
  - Remarks from multiple units emphasize the consistent performance regarding heat-up time and airflow accuracy.
  - Accurate airflow is essential for achieving high-quality welds and minimizing defects.

## Pictures Before and After Welding for Each Part:

### 1. JD 5D BS4 6LugsSS ULSD...



**BEFORE**



**AFTER**



**BEFORE**



**AFTER**

Porting filling is a delicate process where we use a heating gun to carefully melt and apply materials, ensuring a perfect fit and seal. The gentle heat from the gun helps us achieve a strong bond and smooth finish, making each piece durable and high-quality.

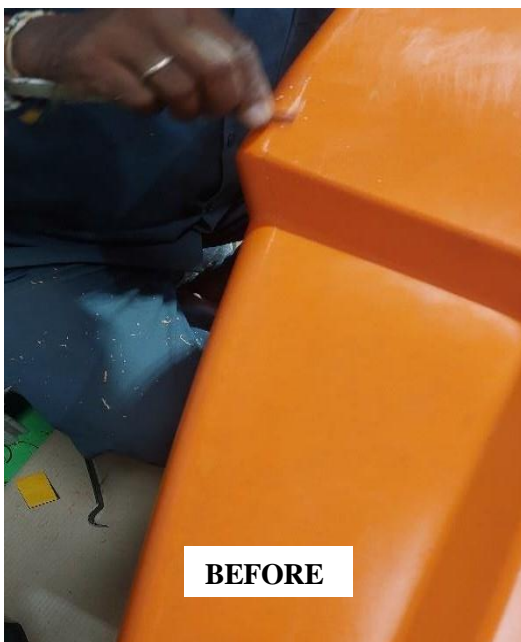


## 2. JD CAB TA28191 FUEL TANK



At times, welding can result in a less-than-desirable finish, with a messy appearance that detracts from the overall quality. This can make the final product look unprofessional and affect its visual appeal, requiring additional effort to correct.

## 3. AC Water Tank Orange 5294...





**Recommendation:**

Reducing welding Requirements:

**Material Selection:**

Explore materials that require less welding and have better bonding properties.

**Process Automation:**

Invest in automated welding systems to improve precision and reduce waste.

**Reduce the production errors:**

To reduce production errors, ensure moulds are thoroughly cleaned before adding powder, properly clamped during the process, and carefully demoulded. This prevents defects and improves product quality, resulting in smoother production and higher- quality outputs. Attention to these steps minimizes errors and enhances the final results.

**Conclusion:**

The welding process is a significant part of the production at GMI. While the cost per part for welding is relatively low, there is room for improvement by optimizing Mould designs and potentially automating certain aspects of the welding process. These changes could lead to reduced costs and increased efficiency.

## **CHAPTER 5**

### **DESCRIPTION OF WORK RESPONSIBILITIES TAKEN**

#### **5.1 Describe the department you worked in -**

The Operations Department consisted of different sections- Productions, Quality, Maintenance, Inventory and stock at GMI Zarhak Moulders Pvt. Ltd. Pune Plant. I was associated with Operations division. The operation division consisted of three sub sections- Maintenance, Store and Quality. operation department handles the overall production and plant. The organization was hierarchical where the Factory Head comes at top and I was reported by Executive Assistant of MD.

#### **Hierarchy –**

Mr. Pradeep Vaishav -Factory Manager
Mr. Atul Naik – Executive Assistant of MD (My Supervisor)
Mr. Prashant Kherdekar – Maintenance Manager
Mr. Jagdish sunder raj Pillai – Store Manager
Mr. Ganesh - Quality Engineer
Mr. Mhaku Yamger - Quality Engineer
Somen Kumar Bhakat - Operations Intern

**Table 5.1:** Hierarchy of the Department

## **5.2 Layout of the office**

In office, there were separate divisions for different departments. There were open cubicles or workstation for each individual employee. The plant was having a structured set of machinery.

## **5.3 Job description**

Job Description of an Operations Intern at GMI Zarhak Moulders Pvt. Ltd.

### **Job Summary:**

An Operation Intern at GMI Zarhak Moulders Pvt. Ltd. looks for production and Quality checking process and assist in fulfilling the targets is to match the customer requirement. The project is also a part for evaluation of machine which is consumable product for the factory. Which it not efficient for the factory.

### **Key Responsibilities:**

- Manually as well as through SES checking stocks.
- Managing and improving efficiency within production processes.
- Creating production plans for everyday production with a focus on quality.
- Quality checking (QC) of Jobs.
- Assessing the quality of a product or services through a variety of stress tests.
- Working with management teams to provide recommendations and solutions to quality issues.
- Reporting on the quality of products and/or services throughout all phases of production.
- Assessing and reviewing all materials provided by suppliers to ensure overall quality.
- Investigating root causes of defects and recommending solutions for quality issues.
- Working on the work instructions which is made for the workers.
- Staying up to date with dispatch and invoicing process.

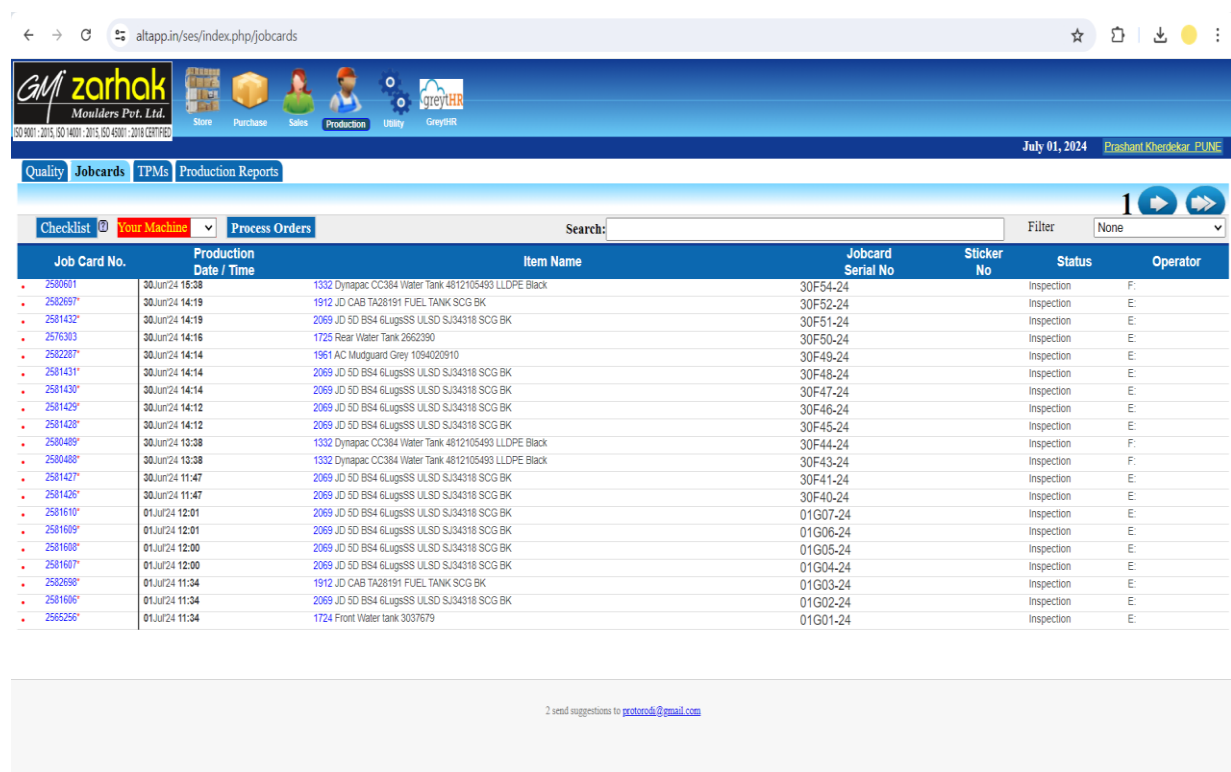
## Knowledge and Skill Requirements;

- Strong communication skill
- Deep understanding of the Production and Quality.
- Analytical and problem-solving skills.
- Proficiency in MS Word, and MS Excel.

## 5.4 Machines and Computer Programmer used

Machine – Personal Laptop and phone along with Department PC

Programmer -SES ERP login



The screenshot displays the SES ERP dashboard for 'GMI zarhak Moulders Pvt. Ltd.'. The interface includes a navigation bar with tabs for Quality, Jobcards, TPMs, and Production Reports. A search bar and filter options are present at the top of the main content area. The primary data is presented in a table with the following columns: Job Card No., Production Date / Time, Item Name, Jobcard Serial No, Sticker No, Status, and Operator. The table lists various production orders, including items like 'Dynamac CC384 Water Tank' and 'JD CAB TA28191 FUEL TANK', with their respective serial numbers, status (e.g., Inspection), and operators (e.g., F, E).

Job Card No.	Production Date / Time	Item Name	Jobcard Serial No	Sticker No	Status	Operator
250961	30Jun24 16:38	1332 Dynamac CC384 Water Tank 4812105493 LLDPE Black	30F54-24		Inspection	F
2502697*	30Jun24 14:19	1912 JD CAB TA28191 FUEL TANK SCG BK	30F52-24		Inspection	E
2581432*	30Jun24 14:19	2069 JD 5D BS4 6LugsSS ULSD SJ34318 SCG BK	30F51-24		Inspection	E
2576303	30Jun24 14:16	1725 Reer Water Tank 2662390	30F50-24		Inspection	E
2582287*	30Jun24 14:14	1961 AC Mudguard Grey 1094020910	30F49-24		Inspection	E
2581431*	30Jun24 14:14	2069 JD 5D BS4 6LugsSS ULSD SJ34318 SCG BK	30F48-24		Inspection	E
2581430*	30Jun24 14:14	2069 JD 5D BS4 6LugsSS ULSD SJ34318 SCG BK	30F47-24		Inspection	E
2581429*	30Jun24 14:12	2069 JD 5D BS4 6LugsSS ULSD SJ34318 SCG BK	30F46-24		Inspection	E
2581428*	30Jun24 14:12	2069 JD 5D BS4 6LugsSS ULSD SJ34318 SCG BK	30F45-24		Inspection	E
2580489*	30Jun24 13:38	1332 Dynamac CC384 Water Tank 4812105493 LLDPE Black	30F44-24		Inspection	F
2580488*	30Jun24 13:38	1332 Dynamac CC384 Water Tank 4812105493 LLDPE Black	30F43-24		Inspection	F
2581427*	30Jun24 11:47	2069 JD 5D BS4 6LugsSS ULSD SJ34318 SCG BK	30F41-24		Inspection	E
2581426*	30Jun24 11:47	2069 JD 5D BS4 6LugsSS ULSD SJ34318 SCG BK	30F40-24		Inspection	E
2581610*	01Jul24 12:01	2069 JD 5D BS4 6LugsSS ULSD SJ34318 SCG BK	01G07-24		Inspection	E
2581609*	01Jul24 12:01	2069 JD 5D BS4 6LugsSS ULSD SJ34318 SCG BK	01G06-24		Inspection	E
2581608*	01Jul24 12:00	2069 JD 5D BS4 6LugsSS ULSD SJ34318 SCG BK	01G05-24		Inspection	E
2581607*	01Jul24 12:00	2069 JD 5D BS4 6LugsSS ULSD SJ34318 SCG BK	01G04-24		Inspection	E
2582698*	01Jul24 11:34	1912 JD CAB TA28191 FUEL TANK SCG BK	01G03-24		Inspection	E
2581606*	01Jul24 11:34	2069 JD 5D BS4 6LugsSS ULSD SJ34318 SCG BK	01G02-24		Inspection	E
2565296*	01Jul24 11:34	1724 Front Water tank 3037679	01G01-24		Inspection	E

2 send suggestions to [protonod@gmail.com](mailto:protonod@gmail.com)

Fig 5.1 SES ERP Dashboard smoothing the operations

## **CHAPTER 6**

### **EXPERIENCE GAINED AND PROBLEMS FACED**

#### **6.1 What did you learn? How will experience help you in the future?**

##### **Key Learnings -**

My overall experience at GMI Zarhak Moulders Pvt. Ltd. involved learnings in two dimensions –

##### **\*Skill – Based Learning**

- Quality Control
- Organization Structure and Position Management
- Production Planning

##### **\*Work – Ethics**

- Corporate Communication
- Time Management
- Punctuality
- Team Coordination

My overall experience with GMI Zarhak Moulders Pvt. Ltd. is remarkable. It not only helped me in improving my personality but also my existing knowledge base and provided me with an overall exposure of the operation Department along with the whole organization. Learning in a professional environment has also helped me in inculcating and adopting professional attitude and work – ethics which will surely help me in my future endeavors.

## **6.2 Problems faced -**

### **-Understanding the Organization Structure (Position Management)–**

Initially, it was difficult to understand the organizational structure. There was a confusion in understanding the difference between position and designation and how the Job Band was made. After the detail explanation by Atul Sir (Executive Assistant of MD) the doubt was cleared.

### **-Understanding the different Products produced by the company-**

GMI produces a wide range of products, including custom-made and customer-specific items. To effectively work in production, it is essential to be familiar with every product. However, I have encountered difficulties in recognizing them all.

## **6.3How could you have gained more experience?**

I could have gained more experience if I had been given the opportunity to work in the HR, Finance, and Marketing departments. Being a part of these departments would have provided me with a comprehensive overview of all management areas and a better understanding of how the operations department collaborates with other management departments.

## **CHAPTER 7**

### **CONCLUSION, SUMMARY AND RECOMMENDATIONS**

#### **7.1 Views about GMI Zarhak Moulders Pvt. Ltd. -**

Incorporated in February 1995 as Zarhak Moulders Pvt. Ltd. (ZMPL), the Company (Head Office and Plant # 1) is built on 2000 sq.mts. Of ownership land in Verna Industrial Estate, Goa. The built-up area is 1550 sq. m.

The Company's registered address is: S-91, Phase-11C, Verna Electronic City, Verna, Goa-403722.

Production commenced in June 1996 with the manufacture of plastic rotomolded storage tanks in capacities ranging from 100 lts - 5000 lts in cylindrical and rectangular form for indoor and outdoor application. ZMPL pioneered Rotomoulding in India and is a forerunner in introducing double layered tanks with a threaded lid to prevent the ingress of insects which is a cause of water borne diseases. SHAKTI (aptly denoting strength) is the Company's flagship brand.

Having effectively penetrated into the market with the SHAKTI brand and seeing tremendous growth potential across several market segments, in 2004, the Company to offer customers the best in design, unparalleled quality and cutting-edge technology, strategically entered into a joint venture with Groupe Maillard Industries (GMI), France, a leader in France and third place in Europe in Rotomoulding. On formation of the joint venture, the Company was renamed as GMI Zarhak Moulders Pvt. Ltd (GMIZMPL) with GMI having 51% controlling interest and Zarhak Moulders Pvt Ltd the balance. To offer customers products "nearer to home" so as to effectively minimize their costs and delivery time, in 2010, GMIZMPL prudently set up a second manufacturing Unit in Sanaswadi, Pune District, Maharashtra to cater to the needs of Pune and neighboring markets. The Plant is set up on a 2,300 sq. mtrs. plot with a built-up area of 1,500 sq. mtrs. From premium quality poly water tanks, today, the product range encompasses Custom Built/OEM Products, Liquid Solution Products and Environment Friendly Products. 90% of the water tank sales is through an efficacious Dealer network throughout Goa. Industrial/OEM customers constitute 50% of the Company's total sales turnover with prestigious globally blue-chip Companies in their customer profile. The Company is managed by a dedicated professional team having behind them several years of experience in manufacturing industries. With an in-house

Design Division, the Company offers 'Design to Product' services. The Division designs / manufactures Aluminum Cast Mould / Sheet Metal Mould based on customer designs, through outsourced services. We offer a 'ONE STOP' Rotomoulding solution to meet customers' needs of technically complex critical parts and reduce their dependence on imports thus conserving precious foreign exchange for the country.

The Company adds value to the customers business by not just offering a "suitable replacement" but, a product with technological advancements to improve the performance of the customer's finished product. Such a service has helped build GMIZMPL customer's base.

To meet international quality requirements, the Company since 1998, is ISO 9001 certified. Since 2013, the company is also certified to ISO 14001 and OHSAS 18001, at present it is going in for the transition to ISO 45001: 2018 Certification.

The company's basic values include congenial working atmosphere for all employees with scope for growth, a product of acceptable Quality and value for money to the customer, cordial relations with suppliers and a decent return to shareholders.

The company follows Kaizen, Just-in-Time (JIT) and Total Productive Maintenance systems to save on costs and transfers the benefit to its customers. Shakti Enterprise System (SES), an ERP Package designed in house is in place and is being continually improved. Latest development is the Google Based Management Systems Site.



## **7.2 Views about my work experience –**

My experience at GMI Zarhak Moulders Pvt. Ltd. as an Operations Intern has been one of the most enriching and rewarding experience of my life. It has not only helped me in gaining an overall understanding of the functioning and importance of the operations Department in an organization, but also improved my potential and efficiency of working in a professional environment.

I now understand the various responsibilities and verticals that an operations department must handle within a company, as well as the critical role these positions play in achieving an organization's goals. My perspective on the corporate world has also changed as a result of this experience. I'm starting to understand that an organization's work culture, ethics, and environment all play a role in motivating its employees and influencing them to meet goals and objectives. I also discovered how crucial teamwork is to achieving any goal.

This opportunity has enabled me more sincere and hard working as an individual and prepared me for the challenges as well as the opportunities that will come up in my future endeavors. I also came to the realization that the theoretical framework and the real world are very different. During my internship, I came to the realization that some things are best learned through hands-on experience alone—theory cannot compensate for that. Therefore, practical experience should supplement all theoretical learning. This improves the lessons we learn.

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR  
DEPARTMENT OF MANAGEMENT STUDIES

Summer Internship – Joining Report

1. Name of Student Somen Kumar Bhakat
2. Institute Id 2023PBM5013
3. Name of the Company GMI Zarhak Moulder Pvt. Ltd.
4. Correspondence Address with Ph. No. (during internship) Plot No. 1224/1 C, Sanaswadi, Taluka Shirur, District Pune – 412208.
5. Email 2023pbm5013@mnit.ac.in
6. Date of Joining Internship 22nd May 2024
7. Internship Guide Details
  - a. Name Mr. Atul Naik
  - b. Designation Ex. ASST. To the MD.
  - c. Telephone No. 9850007849
  - d. Contact Address Sanaswadi Same as above.
  - e. Email Address operations@gmizm.com
8. Project Title Heating Guns Project.
9. Project Description Finding the Productivity of the heating gun vis-a-vis its cost and calculating its efficiency.

Somen Kr. Bhakat.  
(Signature of Student)

Atul Naik  
(Signature of Supervisor)

04 June 2024

[Send a copy of this form to the Department office within one week of joining by post/fax/email]

Annexure II

