

**BRIJESH KUMAR**

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E-mail id: bcompany2017@gmail.com

**Present Communication Address**

Tara Mercantile Pvt. Ltd

DCL campus Durgapur India

Pin: 71321

**Preferred Location:** Anywhere in the globe.

**Objective:** To secure a position as a Material Science Engineer in Polymers, Chemicals & Petrochemicals industry and support the company by imparting my knowledge in manufacturing, operations including Product Development, Processing, Machinery & Equipment selection and tool die selection as well as Plant operations and Project management.

**Scholastics:**

Qualification	College/University	Year of passing	Class/Division
Master of Science & Technology ( 5 Years Integrated)  (Material Science & Engineering)	Central Institute Of  Plastics Engineering & Technology (Gov. of India)  Bhubaneswar/ Utkal University	2017	65%
12th	Uttar Pradesh Board	2012	74.5%
10th	CBSE Board	2010	6.8 CGPA

**Current Industry:** Tara Mercantile Pvt. Ltd.**Designation:** Plant Manager**Product:** Chlorinated Paraffin, Hydrochloric Acid and Sodium Hypochlorite**Salary:** 53 K with accommodation**Present here:** 1st Sept. 2020 to continue here**Job Responsibilities:**

- Plan, organize, direct and run optimum day-to-day operations
- Develop and drive continuous improvement initiatives
- Participate in various activities related to safety, quality, productivity, innovation, information and data security, supply management, marketing, people management, HR and other delivery
- Be responsible for production output, product quality and on-time shipping
- Allocate resources effectively
- Prepare budgets using various forecasting models
- Implement strategies in alignment with strategic initiatives and provide a clear sense of direction and focus
- Build and maintain a trusting relationship with employees
- Communicate with employees about performance expectations
- Give useful feedback to employees
- Recruit, hire and onboard new staff
- Determine KPIs and measure them on a regular basis
- Ensure smooth daily operations
- Adhere to company's rules and regulations
- Stay up to date with latest production trends, best practices and technology.

**Work Experience:** Paterson Energy Pvt. Ltd  
**Designation:** Production Manager  
**Product:** Pyrolysis oil Diesel (Plastics waste to Diesel oil)  
**Present here:** 1<sup>st</sup> July 2020 to 30 Aug. 2020

**Job Responsibilities:**

- Planning and drawing up Production schedules, deciding on and ordering resources that are required and ensuring stock levels remains adequate.
- Selecting Equipments and taking responsibility for its maintenance: setting Quality Standard and ensuring that the production will be cost effective by estimating cost and Negotiating and agreeing budget with both clients and managers.
- Monitoring the production process and adjusting schedules as needed, monitoring productivity rates and Product standards and implementing quality control programs, organizing the repair of any damaged Equipments.
- Liaising with different departments, Technical team, and companies e.g. supplier, Managers, clients.
- Ensuring Health and safety guidelines are followed at all times.
- Ensuring customer orders are completed on time and to budget and quality standards and targets are met.
- Working with management to implement the company's policies and goals

**Work Experience:** Horizon Polymer Engineering Pvt. Ltd.  
**Designation:** Sr. Engineer – Technical Services (Process & Product Development)  
**Products:** Manufacturing of PTFE Pipe Liners, PFA, FEP Different valves and Pipe Line Fittings & PTFE Solid Spacer.  
**Present here:** 20 August 2018 to 30 June 2020

**Job Responsibilities:**

- Refining / Modifying Existing Products.
- Process for Improving Efficiency.
- Cost Reduction.
- Develop Products as per required by Customer.
- New Product Development.
- Oversee Research & Design Team.
- Develops project objectives by reviewing project proposals and plans conferring with management.
- Maintains project schedule by monitoring project progress; coordinating activities; resolving problems.
- Prepares project status reports by collecting, analyzing, and summarizing information and trends, recommending actions.
- Contributes to team effort by accomplishing related results as needed.
- Lead Testing Procedures & Draft specification for Manufacturing.
- Communicates with customer to establish performance goals and objectives and discusses material and design alternatives with customer design engineers.
- Applies ingenuity and knowledge of a broad range of porous plastic manufacturing processes in determining the selection, layout, details.
- Works with or supervises engineering tech(s) in developing prototypes for complex products and/or processes.

- Selects optimal material to meet customer functional requirements and balances customer and manufacturing requirements to optimize geometry for manufacturability.
- Designs experiments for testing and verification plans for new products, and coordinates tests of prototype or existing production parts. Performs Failure Mode and Effects Analysis (FMEA) and documents test results and prepares statistical and analytical summaries, using both standard and ad hoc formats.
- Prepares customized reports, analyses or technical bulletins for customers as requested or as appropriate to document performance characteristics under various operational conditions, Prepare technical documentation or white papers for marketing materials.
- Conducts or supervises field testing at customer location, and participates in product development Meetings with customers & Engineers.
- Coordinates work with and selection of outside vendors for capabilities not available internally.
- May be responsible for development, troubleshooting and enhancement of multiple existing products to improve performance and customer satisfaction.
- Prepares status reports and project plans as needed.
- Coordinates transfer of significant new products from design to production and collaborates with manufacturing engineering, process engineering, quality and other disciplines to ensure consistency of quality output, within tolerances established by customer.

#### **Work Experience:**

**Designation:** Assistant Production & Quality Control  
**Company:** SHREE TNB POLYMERS LIMITED  
**Products:** Manufacturing of HDPE/ PP Pipes & Irrigation Pipe  
**Present here:** 12 Feb 2017 to 8 August 2018.

#### **Job Responsibilities:**

- Planning and Organizing **Production** schedules.
- Determining Quality Control Standards.
- Overseeing Production Processes.
- Organizing the repair and routine maintenance of Production Equipment.
- Supervising the work of junior staff.
- Ensure that Products meet certain Standards of Quality & Formulate Quality control Policies.
- Also work to improve an organization's efficiency and Profitability by reducing waste.

#### **Summary of Skills**

- Excellent communication, presentation, and organizational skills
- Analytical and problem -Solving Skills
- Research & report- writing Skills
- Creative & Independent Thinking
- Time Management, Planning and organization skills
- Commercial awareness and Business skills
- Strong negotiation, sales, and marketing skills
- Remarkable analytical, IT competency, and Team building skills
- Ability to work with Production, Quality, Research & Development and management Team
- Skilled in market research, and Developing and implementing marketing strategies

### Other skills and abilities

- Ability to work effectively in a team environment and coordinate multiple activities with a wide variety of disciplines within the company.
- Knowledge of DOE, FMEA and statistics used in the product development process.
- Excellent project management and writing skills.
- Ability to project a professional, competent image to key customers, as this position has high impact on the customer relationship.
- Ability to work culture of Six Sigma Green Belt with DMAIC & DMADV Process.

#### Project:

- ❖ PTFE Solid Spacer (Ring types)
- ❖ Paste Extrusion Process for PTFE Pipe Liners
- ❖ Reduce- Reuse- Reprocess of PTFE (High Performance Polymer)
- ❖ Heat Exchanger (PFA Tubes)

#### PLASTIC PROCESSING:

Injection Molding, Extrusion Molding, Blow Molding, Thermoforming, Calendering, Rotational Molding, Compression Molding, Transfer Molding, Plastic Foam Molding, Sintering, Paste Extrusion, Ram Extrusion, Isostatic Molding.

#### COMPOSITE PROCESSING:

Hand layup, Resin Transfer Molding (RTM), Reaction Injection Molding (RIM), Vacuum- assisted resin Transfer Molding (VARTM) Compression molding, Injection molding, Filament winding, Pultrusion Process , Tube rolling , Centrifugal casting, Extrusion.

#### PRODUCT TESTING:

Universal Testing Machine (UTM), Melt Flow Index Test, Carbon Black Dispersion Test- Carbon Black Contain Test, Hydrostatic Pressure Test, Density Test, Tensile Test, Impact Test.

### MATERIAL CHARACTERIZATION

Differential Scanning Calorimeter(DSC), Thermo Gravimetric Analysis (TGA), Differential Thermal Analysis (DTA), Spectroscopy Scanning Electron Micrograph (SEM), Transmission Electron Micrograph(TEM).

#### Academic Projects

##### **Master of Science & Technology (Material Science & Engineering)**

**Project name:** Mechanical Properties of Fiber Reinforced Polymer Composite Doors.

**Guide Name:** Mrs. N. PATNIAK (Managing Director) ||

**Organization:** M/s Fiber Space Composite Pvt. Ltd A/25 CNI Complex Patia Bhubaneswar, Odisha.

#### Vocational Training

- **M/s Fiber Composite Private Limited, Chandaka Industrial Estate, Bhubaneswar, Odisha.**
- Period-16 June 2014 to 21 June 2014
  - **Entrepreneurship Development Program under Ministry of MSME**  
Period-13 February 2015 to 27 February 2015
  - **Lingraj Pipes Private Limited. Bhubaneswar, Odisha**  
Period -7 June 2015 to 7 July 2015
  - **Dazzle Pvt. Ltd. (Water Treatment Plant) Bhubaneswar, Odisha**  
Period -20 December 2016 to 29<sup>th</sup> December 2016

- Certificate Course in FIRE SAFETY of three months with 70 %marks
- Certificate Course in Startup India Learning Program, April 16, 2017
- Certificate on SIX SIGMA
- Lean Six Sigma Yellow Belt Certificate
- Lean Six Sigma Green Belt Certificate
- Digital Marketing Certificate
- Master project Management PMP/PMI

**Presentations**

**Poster:** Poster Presentation on International Conference on “**Advancement in Polymeric Materials**” (APM- 2013).

- Attended the Advancement in Polymeric materials LARPM, CIPET.
- International visit on Germany on 24 Oct 2019 to 30 Oct 2019.( Behalf of Product Development)

**Computer Proficiency:**

IT Competency Knowledge  
Power point Presentation Ms.  
Office, Internet & Email

**Area of interest :** Production , Quality Control, Research & Development.

**Languages Known:**

Language	Read	Write	Speak
English	Y	Y	Y
Hindi	Y	Y	Y
Oriya	N	N	Y

**Personal Skill:**

A dynamic individual with highly motivated & positive attitude towards life extremely energetic, flexible, quick learner, punctual, eager to work in group, & willing to relocate anywhere for the job, if required.

**Hobby** : Playing Cricket, Watching movies, listening to Music, Playing computer games.

**Motto** : Be good do good

**Personal Details:**

**Date of Birth** : 12<sup>th</sup> February, 1993  
**Father’s Name** : Rajendra Prasad Yadav  
**Mother’s Name** : Vimala Yadav.  
**Marital Status** : Married  
**Blood Group** : ‘A’+ve  
**Passport No** : P0331920 valid upto 2026  
**Nationality** : Indian

**Permanent Communication Address:**

**Vill. & P.O.** : Plot No. 5, KH 221, Awadhपुरi Khargapur  
**P.S.** : Gomti Nagar Lucknow  
**Dist.** : Lucknow  
**PIN Code** : 226010  
**State** : Uttar Pradesh India

**Declaration:**

I declare that all the information stated above are true to the best of my knowledge & documents can be arranged in or around your place.

Place – Durgapur West Bengal (India)

Signature.....

Brijesh Kumar