

## Curriculum Vitae

### **AVINASH P. BADUKALE**

Mobile No: +91 9130220029

Email: [pbavinash11@gmail.com](mailto:pbavinash11@gmail.com)

### Career Objective

To secure employment in a challenging and rewarding role where I can utilise and extend my skills and abilities. I seek to broaden my horizons, utilising and developing my communication, team work, interpersonal, organisational and administrative abilities and depth of experience.

### Career

#### **Work Experience**

**Organization:** M/s. Nikhil Adhesives LTD, Dahej, Gujarat, India

**Designation :** Production Engineer

**Duration :** 02 September - 2017 to 20 November 2020 – 3 yr. 2 months

**Nikhil Adhesives Ltd**, Dahej is ISO 9001:2015 ,14001:2015, 45001:2018 certified company leading manufacturer seller and exporter of water base adhesives, paint emulsion, paint binders, construction chemicals, textile binders, textile emulsion, plasticizers, acrylic thickeners, lamination sticker Adhesives, Bopp, packing grade Adhesives, Dispersing polymer

#### **Nature of Job:**

- Manage Daily Production and manufacturing activities and reporting to production manager
- Checking and aligning all equipment's, reactors, required utilities before starting the batch
- Analyzing all parameters of batches in semi-Batch reactor and vacuum distillation unit of plasticizer.
- Updating daily Production and plant activity summary report.
- Maintain accurate and timely documentation of equipment maintenance, systems, and inventory, down time, breakdown summary and project details
- Working on various chemical operations like Semi batch reactors, Batch reactors, Refractive distillation, Vacuum pump, layer separation, filtration by Plate and Frame filter press.
- Working on SCADA & under commissioning PLC System.
- Maintaining documents as per ISO 9001,14001,45001
- Executive all elements of PSM and maintain the documentation and records
- Implementing all the procedures and checklist of process and safety
- Responsibility to establish and maintain control of process metrics and data such as cycle time, productivity, downtime, product properties, to ensure existing processes are in control
- Represent as auditee of production department in internal, external audit ISO audit Eco Vadis and TFS audit.
- Implemented all fire NOC related work and class A PESO license work

- Align raw material, packing material as per production plan and maintaining all the inventory stock of raw material, packing material, and minimum inventory of finish goods.
- Coordinate with maintenance, QA, Qc, Electric Department and External service agencies.
- Provide tool box talk training and awareness to operators, subordinates about process safety and abnormalities occurs in process.
- Following and participating on EHS Activities like PHA, EMS, HAZOP STUDY, HIRA, PSSR and 5S implementation in plant
- Issuing permits to contractors, service department and field workers where necessary.
- Taking lab batches and scale up the batches at plant level. Provide process development engineering support for new product development projects.
- Preparing P&ID, BFD, PFD, Layouts, Equipment list, instruments list, cause and effect diagram, process datasheet.
- Work on SAP for consumer base product.
- Evaluate and execute aspects of process improvements, gap analysis, time cycle improvement, cost reduction ideas and yield improvement
- Evaluate product deviation occurs in processes, securing root-cause analysis and implementation of corrective/preventive actions.

**Organization: M/s. Nikhil Adhesives LTD, Tumkur Bangalore Karnataka, India**

**Designation : Dy. Manager production**

**Duration : 20 November- 2020 to 4 sept 2022 – 1 yr. 10 months**

**Nikhil Adhesives Ltd**, Tumkur is recently established facility which is leading manufacturer seller of construction chemicals, Admixtures, poly carboxyl ether PCE, synthetic Rubber adhesives, solvent base polyurethane, water base adhesives, paint emulsion, paint binders, textile emulsion, dispersing polymer, Bopp pressure sensitive adhesive, packing grade adhesives.

**Nature of Job:**

- Liaisoning with legal authorities for statutory compliances, Work to getting the factory license, consent, class B PESO license and labor license for the facility
- Manage Daily Production and manufacturing activities and reporting to General manager
- Review and align raw material, packing material as per production plan and maintaining all the inventory stock of raw material, packing material, and minimum inventory of finish goods.
- Coordinate with project, maintenance, QA, Qc, Electric Department and External service agencies.
- Evaluate and execute aspects of scale up, process improvements, product modification gap analysis, time cycle reduction, cost reduction ideas and yield improvement, manpower allotment costing tracking conducting RCA and implement CAPA
- Providing awareness and training to contractors, plant in charge, supervisors, operators, subordinates about process control, safety and abnormalities occurs in process.
- Implement all elements of PSM and EHS aspects like PHA, EMS, HAZOP STUDY, HIRA all safety standards and 5S implementation

- Reviewing P&ID, BFD, PFD, Layouts, Equipment list, instruments list, process datasheet
- Set up and commissioning of new reactors, holding vessels, raw material storage tanks, and finish goods tanks with all the process control and safeguards
- Set up and commissioning admixture manufacturing plant, laboratory and concrete trial lab with all the process control and safety aspects
- Set up and commissioning synthetic rubber adhesives and PU manufacturing plant with all the process control and safety aspects
- Set up and commissioning of ETP as per consent with all process safeguard
- Product modifications and commission and setup in reactors, process modification as per all the process control safeguards
- Procure and maintain the project requirements and spare parts of mechanical and electricals
- Set up and commission the equipment's, instruments and utility to increase the production capacity of adhesives up to 900 ton
- Evaluating and implementing the safety systems work as per IS 14489, IS 2190 also Design layout for fire hydrant as per standards
- Provide process development engineering support for new product development projects
- Conducts routine administrative work, input SAP process orders, develops employee work schedules, vacation schedules, training schedules
- Set the objectives and KPI Reduce variation of Key Performance Indicators to improve product and operation performance

**Organization: M/s. Nikhil Adhesives LTD, Dahej, Gujarat, India**

**Designation : Production Manager**

**Duration : 5 sept- 2022 to till date**

**Nikhil Adhesives ltd**, Dahej is ISO 9001:2015 ,14001:2015,45001:2018 certified company leading manufacturer seller and exporter of water base adhesives, paint emulsion, paint binders, construction chemicals, textile binders, textile emulsion, plasticizers, acrylic thickeners, lamination sticker Adhesives, Bopp, packing grade Adhesives, Dispersing polymer, RDP Powder.

**Nature of Job:**

- Manage Daily Production and manufacturing activities and reporting to plant manager
- Ensure achievement of daily production, quality & yield target
- Daily man power allocation for achievement of production target with daily costing
- Review and align raw material, packing material as per production plan and maintaining all the inventory stock of raw material, packing material, and minimum inventory of finish goods.
- Working on various chemical operations like Semi batch reactors, Batch reactors, Refractive distillation, Vacuum pump, layer separation, filtration by candle filter, Plate and Frame filter press, stripping of dispersible polymer product
- Represent as auditee of production department in internal, external audit ISO audit Eco Vadis and TFS audit.
- Coordinate with project, maintenance, QA, Qc, Electric dept and External service agencies.

- Providing awareness and training to contractors, plant in charge, supervisors, operators, subordinates about process control, safety and abnormalities occurs in process.
- Implement all elements of PSM and EHS aspects like PHA, EMS, HAZOP STUDY, HIRA all safety standards and 5S implementation
- Reviewing P&ID, BFD, PFD, Layouts, Equipment list, instruments list, process datasheet
- Conducts routine administrative work, input SAP process orders, develops employee work schedules, vacation schedules, training schedules,
- Set the objectives and KPI Reduce variation of Key Performance Indicators to improve product and operation performance
- Provide process development engineering support for new product development projects
- Works with engineering department to complete projects within the assigned units which includes participation on various teams working on product quality, productivity or improvements as needed
- Evaluate and execute aspects of scale up, process improvements, product modification gap analysis, time cycle reduction, cost reduction ideas and yield improvement, manpower allotment costing tracking conducting RCA and implement CAPA
- Taking projection form Head office coordinating with sales and purchase team align the production and dispatch schedule.
- Working on new project of RDP, taking emulsion trial batches powder batches in spray dryer

#### Academic Qualification

Qualification	Institute University / Board	Board/University	Percentage	Year of Passing
Degree chemical Engineering	Lakshmi Narain college of technology Bhopal.	Rajeev Gandhi Technical university, Bhopal	8.34 CGPA	2016
Diploma Chemical Engineering	P.R. Patil Institute of Polytechnic &Technology, Amravati.	Maharashtra state Board of Technical Education, Mumbai	75%	2013
Class XII	Sitabai Sangai Higher Secondary school, Anjangaon surji, Amravati.	Maharashtra Board	68.67%	2009
Class X	Sitabai Sangai Higher Secondary school, Anjangaon surji, Amravati.	Maharashtra Board	74.76%	2007

## Courses/Certifications

- Process Design Engineering –Smart Brain Institute Delhi-NSDC-skill India
- Chemical process safety – Nptel- IIT Roorkee
- Industrial safety engineering- Nptel- IIT Kharagpur
- Equipment Design-Mechanical Aspect -Nptel- IIT Roorkee
- Polymer Reaction engineering – Nptel – IIT Roorkee
- Chemical process utilities –Nptel- IIT Roorkee
- Certified 5S professional -GKE Center of excellence, Ahmedabad
- IMS-Internal Auditor certification training program-ISO9001,14001,45001-GKE Ahmedabad
- Certification on hazards identification and risk analysis HIRA– GKE Ahmedabad
- Certification on Quantitative Risk Assessment- QRA -ifluid Engineering
- Certification on HAZOP - ifluid Engineering
- Certification course on Process safety Management PSM-Udemy
- Certification course on ISO31000-Risk Management – Udemy
- Certification course on How to read P&id, PFD and BFD used in process plants-Udemy
- Certification course on Piping valves -Udemy
- Certification course on chemical process engineering drawing and diagrams-Udemy
- Certification course on Aspen plus Basic process Modeling -Udemy
- Certification course on AutoCAD- Udemy

## Academic Industrial Training

- Purti Power and Sugar Ltd. Nagpur (DURATION: 15 DAYS)
- NEPA pulp and paper Ltd. Neapanagar (DURATION: 7 days)

## Academic Projects

- 1) Production of biodiesel from waste vegetable oil.
- 2) Production of Fuel from Waste Plastic
- 3) Production of Crude Biodiesel from Wet Microalgae

## Activities and Achievement

- Member of 'Fire and Security Association of India', Gujarat sub chapter
- Second price of M.S.B.T.E. paper presentation competition.
- Three papers presented in state and national & international conference.
- Participate in model exhibition, 'Techelons 2011' national level technical festival
- Participate in poster presentation 'Techelons 2013' International level event

## Seminars Workshop Training and Paper Presented

- training program of '**Fire warden**' organise in association with FIRE SAFE ASIA
- training program on '**Fire Professionals! Care and Protect the Protector**' by FSAI,
- training program on **First Aid Treatment** – JK occupational health center
- Seminar attended on '**Disaster management and planning in chemical industries**' on.
- Paper presented on '**Turning mixed plastic waste into useable liquid fuel**'
- Paper presented on '**Advanced water treatment technologies.**
- Paper presented on '**Working of controllers and control system in chemical plant**'

## Computer Skills

- Microsoft Office, Windows XP/Vista. (Operating System), 7, 8 and Internet savvy
- AutoCAD, Power BI
- Knowledge of ChemCad, Aspen Hysys, HTRI, Flarenet

## Personal Profile

Name : Avinash P. Badukale  
Father's Name : Pramod S. Badukale  
Date of Birth :01-10-1991  
Marital Status : Unmarried  
Passport No. : P1039011  
Permanent Add. : Shirajgaon Kasba, Tal: Chandurbazar, Amravati. Maharashtra-44810

## Declaration

I consider myself familiar with this job aspect. I am also confident of my abilities to work in a team. I hereby declare that all the above written particulars are true and correct to the best of my knowledge and belief.

Place: Dahej, Gujarat

Date:

Avinash P. Badukale