

**Name:** NAVNEET KUMAR TOMAR  
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#### **PROFESSIONAL ABSTRACTS:**

- **An Enthusiastic Chemical Engineer with 9+ years of experience in Technology Transfer, Scale-up and process engineering.**
- **Currently serving as Technology Transfer Engineer with IOL Chemical & Pharmaceutical Ltd.**

#### **Current Work Experience**

**Organization:** IOL Chemical & Pharmaceutical Ltd., Barnala, Punjab  
**Department:** Technology Transfer  
**Duration:** January 2022 to present

#### **Current Job Profile:**

- Planning and scheduling R&D project activities with the network diagram and find out the critical process path and focusing on the activity of critical path to meet the timeline.
- Preparing Network diagram of all activities and preparing a time management plan.
- Constantly monitoring and reporting on progress, risks to all stakeholders, identifying issues and bottlenecks and performing root cause analysis.
- Preparing Gantt chart for tracking all the activities to manage project within effort, Schedule, and Quality Assurance.
- New Product scale-up, what-if studies, negative experiments planning. Co-ordination with synthesis team for process discussion
- Providing required quantity to procurement team and coordinate with vendor for the timely delivery.
- Collaborating with inter department teams for issue resolution.
- Cross functional team coordination for R&D projects execution
- Process feasibility study for pilot scale.
- Accountable for new allocated molecule's validation along with the delivery timeline.
- Leading Scale-up activity during tech-transfer from R&D to Pilot and Pilot to Commercial.

- Provide Basic Engineering package.
- Equipment Mapping and selection selection.
- Providing all the documents and job list to the site engineering team for the plant modification.

#### **Achievements**

- Evaluated 5 new products for the site and 3 new products allocated to the site.
- By using Enzyme Green chemistry with the timeline delivery of a new assigned product which was successfully validated with 20times scale up from Kilo Lab to Pilot plant with GMP.
- Plant transfers an old product from Unit-03 to Unit-10 on time and successfully completed the validation campaign in Feb-23 against the given timeline which was March-23.
- Received the IOL Champion award for process improvement & validate by using Enzyme 100% desired isomer using green approach (Ist Time in IOL).

#### **Previous Work Experience**

**Organization: Mankind Research Centre, Gurgaon**

**Department: Technology Transfer, API division**

**Duration: May 2019 – Dec 2021)**

#### **Previous Job Profile**

- Identification of Scale-up parameters in process and using it to scale up on commercial scale.
- Process Solvent selection for new product, solvent quantity optimization by using reaction kinetics.
- P/V, Vent size calculation, Agitator and Filtration equipment selection.
- Selection of vendor from the kilo lab's experiment data.
- Guiding the plant team, technical support team for new products delivery as per management timelines.
- Study of different parameters of crystallization based on kilo lab batches.
- Preparing Basic engineering package and responsible for commercialization of a new molecule.
- Coordinate with plant and supply-chain for the RM delivery and testing on time with respect to Gantt chat.
- Batch size selection and leading the validation in plant.

#### **Achievements**

- Successfully validated 3 new products from R&D scale to Kilo lab Scale and further in plant Scale.
- Optimized solvent at the time of validation by applying reaction kinetics and reduced the cost of the project by 14%.
- Successfully met all project deadlines for 3 years in a row.
- Yield improvement of Valsartan by 10% in Plant against R&D and kilo lab

<b>Previous Organization</b>	<b>Amoli Organics Pvt. Limited Vadodara</b>
<b>Role</b>	Sr. Officer (Technology Transfer)
<b>March 2017 - May 2019</b>	<ul style="list-style-type: none"> <li>• Process Flow Diagrams (PFD) Layout, Piping, and Instrumentation Diagrams (P&amp;ID).</li> <li>• Process Query generation and discussion on given process for plant feasibility.</li> <li>• To observe the lab demonstration batches for new product, old product improved process and further development.</li> <li>• Preparation of lab demonstration reports and plant trial reports for process improvements.</li> <li>• Preparing plant equipment layout and carrying out modifications as per process.</li> </ul>
<b>Previous Organization</b>	<b>Dishman Pharmaceuticals &amp; Chemicals LTD. Ahmedabad</b>
<b>Role</b>	Production Engineer
<b>Nov 2014 – March 2017</b>	<ul style="list-style-type: none"> <li>• Utility calculation</li> <li>• Hazop Study</li> <li>• Raw material consumption ratio, Capacity calculation, debottleneck Constraints to increase plant capacity.</li> <li>• Manage plant activity including production &amp; maintenance.</li> </ul>

#### Educational Qualification

Education	Board/ University	Year
B-TECH (Chemical Engineering)	Bharti Vidyapeeth University Pune	2014

#### DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge.

Signature

Navneet Tomar