

# Manish Jain

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*Seeking challenging assignments of process engineering in projects with an organization of repute where I can best utilize the knowledge and skills I possess to gain maximum leverage towards company objectives and at the same time continue to learn.*

## CAREER ABSTRACT

- A result oriented professional with around 9 years of experience working on Process Engineering, Project Management.
- Highly focused with a consistent track record of successfully delivering full lifecycle implementations on time and within budget.
- Skilled at managing design engineering operations involving coordination with internal departments, process development, interfacing with vendors, etc.
- Adept in managing the multi-discipline engineering design activities involving and co-ordination with internal department process developments.
- Effective communicator with excellent relationship management & negotiation skills; possess a flexible & result oriented attitude.

## ACADEMIC QUALIFICATION

EXAMINATION	INSTIUTTE	BOARD/UNIVERSITY	YEAR	CGPA/PERCENTAGE
B-Tech	NIT-J	NIT -J	2005-09	6.34(CGPA out of 10)
X <sup>th</sup>	USPC Jain Public School	CBSE	2002	68%
XII <sup>th</sup>	USPC Jain Public School	CBSE	2004	70%

## KRA

- Working on Basic Engineering (BEP) and doing the Heat and Mass Balance Calculations.
- Preparing the Project Schedule and monthly project progress report.
- Preparing/Reviewing the Process Flow Diagram (PFD), Utility Distribution Diagram, Legend Sheet & Piping and Instrumentation Diagrams (P&ID).
- Preparing the Design Basis for Process.
- Preparing the Effluent Treatment Philosophy along with R&D and process consultant.
- Preparing/Reviewing Process Data Sheet (PDS), Mechanical Data Sheet (MDS) for equipment & instruments.
- Preparing/Reviewing the plot plan, plant layout & equipment layout.
- Preparing the Alarm Trip List for process & utility of the plant.
- Preparing equipment list of the process & utility equipment.

- Preparing Interlock Description & Process Control Philosophy for process & utility.
- Reviewing the Isometric & 3 D Model of the plant.
- Preparing documents for approval from GIDC, CCOE, IBR & Factory Inspector.
- Preparing the RFQ (request for quotation) for material requisition.
- Preparing Technical Bid Evaluation and comparison sheet for processing procurement.
- Participating in the HAZOP study and implementing the HAZOP recommendations.
- Hazardous area classification of the plant wrt the chemical handled in the plant.
- Preparing Cause & Effect Diagram for fire & gas detection system.
- Mark up of fire & gas detectors in the equipment layout.
- Conducting the PHA & PSSR of the plant.
- Preparing process documents for approval of CTE (Consent to establish-formerly known as No Objection Certificate) from GPCB.
- Preparing documents like SMP (Standard Manufacturing Process).
- Giving Technical Audit for new projects.

## WORK EXPERIENCE

***Kansai Nerolac Paints Limited*** from April 2019 as Assistant Manager.



- Doing the detail engineering of Utility for upcoming new product (RESIN) plant . RESIN is a raw material for paint industry.
- Working on the detail engineering for New paint product.

***United Phosphorus Limited*** from June, 2014 -April 2019 as Senior Executive-Projects.



Have worked/working on the following mentioned projects –

**CHLOROFORMATES 6000 TPA** - from January, 2018 – March 2019.

- This is a phosgene derivative product.
- Working on the basic engineering package of the plant.

**METHYL MERCAPTAN 13000 TPA**- from May, 2017 to December 2017.

- Working on the basic and detail engineering of the Methyl Mercaptan Project.
- Raw materials for this plant are Methanol & Hydrogen Sulphide.

**ACROLEIN 25000 TPA** – from February, 2017 to June 2017.

- This is an expansion of earlier installed Acrolein project.
- Currently working on the basic engineering package of Acrolein Plant.

**CYCLOPROPYL ACETYLENE** – from June, 2016 to January, 2017.

- This product is an intermediate for pharma industry which further uses it to make HIV drug.
- Working on developing the basic engineering package for CPA from the data received from the R&D dept.
- Conducting the scale up for the plant from Lab to pilot plant of capacity 300 kg/day

**ACROLEIN 2500 TPA** – (Project Cost-45 Cr.), from September, 2014 to May, 2016.

- This is a green field project. Acrolein is used as Herbicide and Intermediate product in Agrochemical Industry.
- The Project Involves the basic & detail engineering.
- Acrolein is a hazardous chemical and its TLV is 0.1ppm and no one in INDIA currently produces it. This will be first

plant in INDIA.

25TPD HCL (Project Cost-0.8 Cr.), from July 2014 to March 2015.

- The Project involves synthesis of 4% HCL solution and making 70TPD 30% HCL.



***Piramal Enterprise Limited*** from September 2013-May 2014.

- Worked as a techno commercial manager in the project procurement department.



***Avery Dennison Limited*** as process engineer from September 2012-September 2013.

- Worked as a process engineer. I worked on attending all the process breakdown activities and doing the RCA and implementing the findings from RCA.



***Sterlite Technologies Limited*** as process engineer from April 2010- December 2011.

Handled following mentioned projects during my working tenure with Sterlite Technologies.

*SILICON TETRACHLORIDE PROJECT 100 TPM (PHASE 1 & 2) (Project Cost- 19 Cr.)*

- Worked on the basic concept technology till the commissioning of 500TPM capacity.
- Involved in various activities like complete preliminary engineering, finalizing all the PID's, process equipment specifications and sizing.
- Preparing the Process datasheet for equipment & instrument.

## ***SOFTWARE SKILLS***

- MS Office
- ASPEN-Exchanger Design & Rating(EDR V8.4) ASPEN- Basic EngineeringV8.4
- Auto CAD
- SAP
- Oracle- ERP
- MiniTab

## ***SUMMER INTERNSHIP & PROJECTS***

*National Institute of Technology, Jalandhar - March'09-June'09*

Title : Gas Chromatographic evaluation of kerosene from Bio Fuel

Description : Completed Project on gas chromatography of Kerosene from Bio fuel.

*Indian Oil Corporation, Panipat - May'08-July'08.*

*Description* : A technical Know How about Process Involved in Hydrogen Generation Unit, Delayed Coker Unit, Crude Distillation Unit and the exposure to the working of various process equipments.

### ***EXTRA CURRICULAR ACTIVITIES***

- Played various Tennis matches in Inter Year Tournament in College.
- Member and Volunteer for Various Organizations i.e. Rotary Club and Teach INDIA Initiatives.
- Trainer for basic technology skills for TEACH India and TCY.
- Hobbies- Reading Novels, Listening Music.

### ***PERSONAL PROFILE***

*Date of Birth* : 9<sup>th</sup> March, 1987

*Linguistic Abilities* : English, Hindi and Punjabi

*Nationality* : Indian

*Sign*

***Manish Jain***