**NITIN RAVINDRA DESHMUKH**

**A/P:- Nandgaon, Tal/Dist:- SATARA, Pin - 415107**

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**Seeking challenges assignments in**

Production\* Design \* Modelling and Simulation \* Technical services and commissioning preferably in Chemical, petrochemical, oil and gas industry.

**EDUCATIONAL BACKGROUND**

* Bachelor Degree in Chemical engineering

From T.K.I.E.T. WARANAGAGAR KOLHAPUR (SHIVAJI UNIVERSITY) with 62% aggregate.

* HSC :- Completed HSC from Yashvantrao Chavan institute of science Satara with 70.50%
* SSC :- Passed SSC from Mane - Deshmukh Vidalaya Patan with 78.66 %
* Have passed Diploma in Business Management (part time)

**SYNOPSIS**

1. Presently working with INGENERO TECH. PVT. LTD, Mumbai as Sr. Process Engineer since March 2012.
2. In Ingenro, worked for process relief safety analysis, risk analysis, dispersion analysis, flare net projects of oil & gas projects.
3. Currently working on process monitoring & optimization department on for remote monitoring of Jubail Chevron Philips Ethylene plant (Naptha cracker) in KSA.
4. Special studies in the areas of Troubleshooting, Performance monitoring & improvement, energy conservation, onsite support for startup & shutdown, root cause analysis.
5. Had worked with Finolex Industries limited Ratnagiri for 5 years as Sr. Engineer process control and reliability & technical service for EDC cracking unit (VCM plant) of 1,40,000 TPA capacity (petrochemical unit) from July 2007 to march 2012.
6. Worked in technical services department in co ordination with operations department of Finolex Industries Limited to Manage for Incident-free Plant Operations, improve plant performance, operational reliability energy conservation and safety, Root Cause Analysis, debottlenecking, safe startup & shutdown assistance to operations department.
7. Rating & Simulation of existing heat exchangers for maximum capacity utilization, planning and execution of the analysis of process parameters, Failure analysis, Process troubleshooting, Start-up/Shutdown activities also preparing Technical, Production & quality reports on daily/monthly basis. Preparation of safety incident reports.
8. Project feasibility study, heat and material calculations, commissioning and implementation of various technical suggestions and performance monitoring of the equipment’s for better production results and energy conservation.
9. Involvement in Preparation of standard operating procedure (SOP) for unit operations

**OCCUPATIONAL EXPERIENCE**

**About Ingenero: Ingenero** is a private limited organization which works for with process technology, Simulation of Oil & gas projects, HAZOP and Relief safety analysis of refineries and petrochemical projects worldwide.

**Occupational Experience at INGENERO**

Currently working with process technology group for better monitoring & reliability of naphtha cracker & downstream units of Jubail Chevron Phillips Company at KSA. Also worked for relief safety analysis and Risk Analysis for Oil & Gas projects

1. Familiar with standards, recommended practices and international codes used

In pressure relief system sizing such as API 520, 521 & 2000, ASME Section VIII

1. Hands on experience on Flarenet and ASPEN Plus & HYSIS for relief safety analysis, HTRI simulations for exchanger performance monitoring.
2. Communication with the client on technical issues.
3. Detailed study of all the equipment’s on P&ID for hazard identification and mitigation for concerned equipment`s.
4. Worked for relief safety analysis of a Poly propylene plant (liquid, gas , gas liquid reaction) at Bayport, USA.
5. Handling team of six engineers.
6. Having experince in production (petrochemical complex), and process safety, Relief Safety analysis, simulations, process engineering,

**About Finolex:**

1. Finolex is the major producer of Vinyl Chloride Monomer (VCM) and Poly vinyl Chloride (PVC) in India. The plant capacity for VCM is 1, 44,000 TPA and that of PVC is 2, 50,000 TPA.

The Finolex largest petrochemical complex in Maharashtra. Complex is having its own captive power plant and a jetty with cryogenic storage facility for storage of Ethylene, also the storage of chemicals like as methanol, EDC and VCM, LPG

**Tasks and Duties handled at Finolex**

1. Handling day to day activities, evaluating area for improvement with respect to raw materials utilities, manpower and monitoring overall plant operations for ensuring timely completion along with safety factor taking into consideration.
2. Exposure and technical support in plant startup and shutdown activities, normal and emergency handlings from DCS, Troubleshooting to meet the production targets along with high production quality.
3. Directing and instructing plant operators and DCS operators monitoring expenses with optimum utilization of resources.
4. Updating and preparation of new SOP`s, P&ID, PFD`s.
5. Member of HAZOP study team for VCM plant.
6. Plant start up-shutdown, decoking activity, and manpower planning.
7. Worked for ISO documentation.
8. Issuing of Safe Work permit to carry out various jobs.

**Equipment’s handled:**

Ethylene dichloride cracker, Naptha cracker, Fluidized and fixed bed reactor, Hydrogenation reactors, distillation columns, incinerator, multistage pumps, compressors, exchangers, vacuum pumps, refrigeration system, storage tanks and spheres, cryogenic storage for ethylene, flare.

**Chemical handled**: Ethylene (liquid and vapor),VCM, EDC (Ethylene Di Chloride), Hydrogen, Chlorine, Oxygen, HCL (anhydrous) and 30%,nitrogen,H2O2,choloroform,methanol,LPG

**Plant overview of the VCM plant Finolex Ratnagiri.**

1. Handling of process equipments such as Fluidized bed reactor of OXYHYDROCHLORINATION reaction which contains 42 tons of catalyst for production of ETHYLENE DICHLORIDE (C2H4CL2) and steam @ 17 Tons/hr by removing heat of reaction.
2. Handling of the Ethylene Di Chloride Purification column at downstream of OXY reactor two are at atmospheric pressure and one at vacuum pressure of 0.26 Kg/Cm2 and one stripper column for imported EDC drying
3. Waste water system and bulk and intermediate EDC storage tank farms.
4. Handling of EDC Cracker having capacity of 410 TPD working at 30 Kg/Cm2 and 495 OC temperatures and the downstream of cracker equipments such as furnace outlet quench system and the waste heat recovery system.
5. Handling of the fuel system (Naphtha) and LPG burners of the cracker to maintaining coil outlet temp.
6. Handling of the three Distillation columns at downstream of the EDC cracking unit such as anhydrous HCl column, VCM column and a VCM stripper.
7. Handling the refrigeration system that is to condense anhydrous HCL produced from cracking reaction of EDC
8. Handling of VCM storage Spheres.
9. Handling of incineration unit which runs at 1200 OC to burn high boils and the low boils components produced in the form of impurities from day to day activities of the plant and heat recovery system for the production of steam.

**Software Knowledge**

Certificate course in AUTO CAD

* ASPEN PLUS, HYSIS, Flarenet, Phast, CoilSim.
* M.S. OFFICE, Microsoft VISIO
* Pressure Protection Manager (PPM), PSPPM

**TRAINING**

* HAZOP training at Finolex Industries Limited
* BHABHA atomic research center Trombay Mumbai.
* Have passed safe work permit system examination at Finolex

**PERSONAL DETAILS**

* Name:- Nitin Ravindra Deshmukh (Mob:7718826720, 9970917630)
* E mail :- nitindeshmukh4500@gmail.com
* Date of Birth :- 27 March 1985.
* Marital Status :- Married
* Languages :- English, Hindi , Marathi.
* Current CTC:- 14.1 L
* Expected CTC :- Negotiable
* Notice Period 3 Month (Negotiable)
* Passport number :- H 6898314 (Valid up to 2020).

**Declaration:-** I hereby declare that all the above information maintained is true to the best of my knowledge.

**NITIN R. DESHMUKH**