**DNYANESHWAR RAJPUT**

M.TECH CHEMICAL ENGINEER

**Contact: +91 9075078802 / 9923446685**, Email:[**dnyanu85@gmail.com**](mailto:dnyanu85@gmail.com), Pune

**PROFILE SUMMARY**

**A Result oriented professional with approximately 11 years of experience in the field of process Design, Sales Support (Proposals & Cost Estimation) and Project co-ordination.**

Worked on design, engineering and estimation of process plants, equipment’s and allied systems in various fields like Oil and Gas, Chemicals, Dairy, Beverage, Ice cream plants, pharma etc.

Hands on experience in design and engineering of process plants and equipment’s like Oil and gas fired **Boilers, Flares, Thermic Fluid Heaters, knock out drums, Heat exchangers, pressure vessels, evaporators, spray dryers, Gas conditioning skids, blowers, burners, pasteurizers, sterilizers, CIP systems, dairy processing lines and their sub-systems.**

Proficient in preparation and review of P & I D, heat and mass balance, layout review, (Plant, foundation, hazardous area, piping), preparation of datasheets for bought outs, line sizing, bought out sizing and selection (Pumps, motors, control and safety valves, instruments) design and selection of gas trains, burners, refrigeration, compressors, fans/ blowers, water treatment plant, heat and mass balance, project schedule, VDRL, review of process and utility piping, pump hydraulics, cause and effect diagram and various activities etc.

* Worked on various simulation and mechanical software’s **namely HTRI, CHEMCAD, FLARESIM, SHELLFRED, Navis work, Pv-elite, PVD, HED, Auto cad, Navis Work, MS-Office, MS Project, ERP, SAP, Microsoft office etc.**
* Worked on various project with involvement of Process licensors and EPC consultants like **Jacobs, Exterran Belleli, Mott Macdonald, Knexier, Korus, Punj Lloyd, Worley parsons, black and veatch, Rotary Engineering, PDO, Kavin engineering, perfect solutions, SMC etc.**
* Working knowledge of various national and international codes and standards like **ASME Sec VIII Div I, Div II, ASME Sec II, TEMA, IBR, DIN, IS, API 520, 521, 537 OISD 106, Shell DEP’s, etc.**
* Participated in Hazop of smoke tube boiler package for Qatar solar at Punj Lloyd Delhi.
* Participated in SIL / HAZOP study of Thermic fluid heater system for Shell and Fujairah Oil FZC **at Rotary Engineering Singapore.**
* Participated in Design Review and Hazop of Yibal **flare package at PDO Oman.**
* **Participated in Ice cream processing workshop in Aarhus, Denmark.**
* M.Tech project work paper published in Elsevier publications journal of building and construction.
* Responsible for delivery of the projects on-time, within scope and budget Ensures compliance with contractual obligations.
* Selection of suppliers in cooperation with the supply chain team
* Coordination with internal and external project shareholders – client, design, plant engineering, fabrication, electrical and instrumentation & automation, QC etc. Detailed estimation of BOM, freezing the requirement, indenting of material, discussion and negotiation with coordination of purchase department, follow up for material procurement

**EXPERIENCE SUMMARY**

1. **Tetra Pak India Private Limited, Pune (Nov 2015 to till date)**

**Process Leader \_ Pre- projects (Proposals)**

* Responsible for planning, scheduling, cost control, resource allocation, Guidance and controlling of team for making of proposals and costing.
* Preparation of basic engineering package related to liquid milk processing, Beverage Lines (CSD & Juice), Ice-cream mix plant and equipment’s, CIP systems etc.
* Preparation and review of Mass Balance, Process Time Schedule, utility histograms,
* Preparation of design basis, control philosophy, technical specification, process flow diagram (P&I D), instrumentation list, GA drawings, layout (Equipment, piping, foundation etc.), project schedule etc.
* Design of pasteurizers, sterilizers, PHE’s and shell and Tube heat exchangers.
* Line sizing, pump Hydraulics
* Vendor management / communication for finalizing various bought outs and utility packages like compressors, water treatment plant, refrigeration plant, cooling tower, boilers and air ventilation.
* Examining various tenders and carrying out pre-tender site visits for analyzing the feasibility of proposal, source availability, etc.
* Assisting Sales team during technical meeting and presentation at customer site.
* Technical Support to site commissioning team during troubleshooting and performance trails.
* Technical presentations to key customers
* Analyzing & reviewing the market response/ requirements and communicating the same to the teams for accomplishment of the business goals

1. **Ador Welding Limited (Project Eng. Business) (Nov 2014 to Oct 2015)**

**Team Leader (Proposals & Engineering)**

* Design and Sizing of Flares and its subsystems (like knock out drum, blowers, gas train, FFG, pilots, structural calculations, mechanical calculations) using codes like API 520, 521, 537 OISD 106, Shell DEP's, etc.
* Hands on experience in combustion calculations.
* Hands on experience on simulation software like MS office, SAP, FLARSIM, SHELLFRED etc.
* Responsible for project planning – project schedule, cost control, resource requirements and allocation, Guidance and control of site team for erection and commissioning.
* Review of engineering documents, proposals costing and project schedule.
* Responsible for delivery of projects on-time within scope and allocated budget with contractual obligations.
* Strategic planning in cooperation with project team
* Accomplish project objectives by planning and evaluating project activities
* Cost control over local purchasing activities in a project
* Technical assistance to services team for site erection & commissioning activities for ensuring completion of assignment within the time & cost parameters and effective
* Resource utilization to maximize the output.
* Efficient to resolve site action request (SAR) & queries raised by construction groups during erection and commissioning the project.
* Managing overall operations with a view to ensure timely accomplishment of production targets within the time and cost parameters

1. **Thermax Limited.: Heating SBU (Feb 2011 –Oct 2014)**

**Sr. Executive: (Engineering: Oil & Gas Fired Boilers and Thermic Fluid Heaters)**

* Oversaw detail engineering of oil and gas fired Thermic fluid heaters and package boilers with their allied systems and utilities.
* Hands on experience in combustion calculations.
* Preparation and review of P & ID, thermal calculations of process equipment's and systems.
* Preparation and Review of PFD, Utility schematics, Plant Layout, Foundation Layout, Hazardous area layout, piping isometrics, cause and Effect diagram, line list, instrument index, valve list.
* Hands on experience on Pump Hydraulics, Line Sizing, pressure drop calculations, cause and effect, control philosophy etc.
* Participation in Hazop and SIL Study at customer / consultant places. Participation in Kick off meeting at customer / consultant places.
* Selection and preparation of datasheets for various brought outs like pumps, fans, valves, motors, control valves, relief valve, instruments, burners, gas trains, storage tanks etc.
* Participation in Hazop and SIL study
* Responsible for project planning – project schedule, resource requirements and allocation and provide direction and support to the team.
* Responsible for delivery of the projects on-time, within scope and budget Ensures compliance with contractual obligations.
* Selection of suppliers in cooperation with the supply chain team
* Coordination with internal and external project shareholders – client, design, plant engineering, fabrication, electrical and instrumentation & automation, QC etc. Detailed estimation of BOM, freezing the requirement, indenting of material, discussion and negotiation with coordination of purchase department, follow up for material procurement.
* Strategic planning in cooperation with project team

1. **HRS Process Systems Private Limited (May 2008 – Jan 2010)**

**Product Engineer: (Shell and Tube Heat Exchangers)**

* Thermal and Mechanical Design of Shell and Tube Heat Exchanger's like condenser, heater, cooler, reboilers, evaporators etc.
* Preparations of proposals and cost estimation
* Knowledge of software like HTRI, CHEMCAD, AUTOCAD, PV ELITE etc.
* BOM preparation
* Mechanical Design as per TEMA and ASME Sec VIII Div I
* Enquiry review, thermal calculations, heat and mass balance, tender interpretation, deviation statements.
* Assistance to marketing team for technical discussions and order finalization.
* Worked on various projects with involvement of consultants.

**ACADEMIC QUALIFICATION**

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| --- | --- | --- | --- |
| **Degree** | **College/University** | **Year** | **%** |
| M.Tech Chemical Engg. | Amaravati University, MS | 2011 | 64 |
| B. Tech Chemical Engg. | Anuradha College of Engineering | 2007 | 71.37 |
| Diploma in piping Design | Trinity Academy of Pune | 2008 | 65 |

**PERSONAL DETAILS**

Name : Dnyaneshwar Rajput

Date of Birth : 24-December-1985

Marital Status : Married

Languages Known : English, Hindi and Marathi

Address : Flat No C 603, Shekhar Paradise, Plot no 03

Sector 09, PCNTDA, Moshi, Pune- 412105 MH.

I hereby declare that above information is correct to my knowledge.

Date :

Place :

With Best Regards,

Dnyaneshwar Rajput