**LAKSHMI NARAYANAN.S**

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**PROFESSIONAL SYNOPSIS**

* A dynamic professional with **3+ years** of experience in Project Engineering, Process designing, fabrication & project execution of Automatic Valveless Gravity Filter, chemical dosing system.
* Experience in MS Excel Sheets calculations and simulation tools like ASPEN HYSYS.
* Experience in preparation of Proposal, Process data sheet, Chemical data sheet, Design data sheet, and catalogue for various equipments & chemicals by using excel & word.
* Experience in Fabrication of various equipment and budget planning for new projects, QAP ,WPS as per ASME standards.
* Experience in various process such as Hydrodesulphurization, Reforming, Shift CO2 Conversion, absorption and removal, Methanation, Compression, Synthesis of Ammonia and Purge gas Recovery unit.

**EMPLOYMENT PROFILE**

* Worked with **IEC Fabchem Limited, Chennai** as **Project Engineer** from **Feb 2012 to Jan 2014.**
* Worked with **Western India Paints and Co.,(P) Limited, Chennai** as **Junior Chemist (R & D)** from **Oct 2011 to Dec 2011**.
* Worked with **Madras Fertilizers Limited, Chennai** as **Graduate Engineering Apprentice Trainee** from **Jul 2010 to Jun 2011**.

**ACADEMIC CREDENTIALS**

* **B.Tech - Petrochemical Technology,** from Bharathidasan Institute Of Technology, Bharathidasan University, Tiruchirappalli-24 Passed with **72%** in 2010.
* **HSC,** from The Little Flower Higher Secondary School, Salem-6 Passed with **69.8 %** in 2006.
* **SSLC,** from The Little Flower Higher Secondary School, Salem-6 Passed with **74%** in 2004.

**EXPOSURE TO COMPUTER**

* MS office Package
* MS SQL Query knowledge
* Aspen Hysys Version 7.1
* CorelDraw & Adobe Photoshop

**PREVIOUS EMPLOYMENT DETAIL**

IEC Fabchem Ltd is the **EPC PROJECT COMPANY** in the field of cooling water & waste water treatment.

**PROJECT HANDLED**

* 250 m3/hr - Automatic Valveless Gravity Filter System – BGR Energy Systems Limited , Chennai.
* 300 m3/hr – Pressure Sand Filter & Chemical Dosing Systems – Southern Cooling towers Pvt Limited, Kolkata.

**R & D PROJECT**

* **Manufacture of Chlorine Ton Containers** – Handled individual completed Erection & Commissioning and also value of the project is around Rs. 4 Crores.
* Prepared detail project report and other relevant documents like Market survey, technical data sheet, project cost estimation, machinery & man power cost, list of machineries, design calculation, working capital cost, time and motion study etc by using excel, word and AutoCAD.
* Market survey has been done by internally via Web research and externally by CARE ratings, Dun & Bradstreet technologies.
* Various techno-commercial discussion with vendors and prepared MOM & Presentation by using PPT.
* After completed all preliminary work and project report was submitted to bank and got loan and started the new project.

**ROLES & RESPONSIBILITIES**

* Preparation of Equipment list, line list.
* Participated in developing the project scope and defining the changes needed to implement the projects.
* Handling a team of Draftsman developing Piping and Instrument Diagrams (P&IDs).
* Preparation of process flow diagrams.
* Review of Equipment Layouts, Piping Layouts.
* Review of piping bill of quantity.
* Periodical site visit for technical discussions with the engineers and to review the site conditions.
* Responsible for ensuring that the package for submittal to the client meets all client requirements.
* Prepares and coordinates the project schedule and maintains this throughout the project. Optimizes the use of personnel to achieve the schedule.

* Responsible for the total administration of the project in line with procedures. Attends and minutes all project meetings. Maintains project master files. Handles all project communication with the clients.
* Prepares/compiles Project Co-ordination Procedure (PCP). Assures efficient dissemination of data to the project team and assists the lead discipline engineers with co-ordination. Co-ordinates staffing of the project with the Design Manager.
* Prepares all project reports required, internally and externally, with the assistance of Project Support Services where required.
* Preparation of technical offers to meet the customer’s requirement with all safety interlocks.
* Responsible for assuring that all of the Project Team are familiar with the scope of the project.
* Responsible for assuring that all scope changes are maintained on a trend log and are promptly transmitted to the client for resolution.
* Pre-Bid engineering and proposals for existing and new projects.(Pressure vessel, AVGF, Storage tank, etc ),preparation of Data sheets for all equipment’s, valves, pipes etc.
* Erection & Commissioning activities for AVGF filter & chemical dosing systems.
* Feasibility study, Market survey and Project cost estimation including Civil, Structural, machineries and Electrical. New factory development and Technology up-gradation of new Automation machinery in Equipment Fabrication division like SAW welding, CNC Plasma Cutting, Hydraulic press etc.

**MADRAS FERTILIZERS LTD**

* Experience in various process such as Hydrodesulphurization, Reforming, Shift CO2 Conversion, absorption and removal, Methanation, Compression, Synthesis of Ammonia and Purge gas Recovery unit.
* Experience in handling various equipment’s like turbines of different types, multistage centrifugal pumps, High Pressure Compressors, Boilers and Duplex side fired Reforming furnace and catalytic vessels.
* Experience in Ammonia tanker Unloading and naphtha tank loading and safety monitoring in tank area.
* Experience in DCS and IS & I logic systems.

**ROLES & RESPONSIBILITIES**

* The conditions in the plant should be kept as constant as possible. All sudden changes in temperature or pressure will harm the catalysts as well as the equipment’s.
* Close monitoring of rotating equipment’s like compressor, pumps, fans and blowers with logging of critical parameters like pressure, temperature, flow.
* Close monitoring of reformer temperature burner cleaning and trimming of furnace and tube skin temperature.
* To plan for safe startup and shut down of various processes and equipment’s.
* Analyze the technical problems raised in the Ammonia plant and suggest appropriate corrective, preventive actions to carry out in the Ammonia production.
* Involved in catalyst loading and unloading.

**WIPCO**

* QA/QC Analysis of Finished Goods & Raw materials.
* Research & Development of Existing and new Products.

**TRAINING & CERTIFICATION**

* Undergone Training in **Process Design Engineering and Aspen Hysys Simulation Tool** in **CHEMSYS,** Chennai ( 4 Months )
* Handled ASPEN HYSYS Stimulation Software Version 7.1.
* Oil & Gas upstream equipments design as per API Standards like (Vertical Separator ,Horizontal Separator, Storage tank, Absorption Tower, Distillation column, Stripper, Heater Treater).
* Heat and Mass balance, Line Sizing, Pressure drop, NPSH Calculations using Process Simulation software (ASPEN HYSYS)& Excel Sheets calculations.
* Preparation and development of P&ID, PFD and General Arrangements diagrams.

**IN PLANT TRAINING**

A) Organization : **Kothari Sugars and Chemicals Limited, Kattur, Tirchy.**

Duration : 30 days

B) Organization : **Madras Fertilizers Limited (MFL), Manali, Chennai.**

Duration : 30 days

**INDUSTRIAL VISITS**

* **CPCL** (Chennai Petroleum Corporation Limited), Cauvery Basin Refinery, Nagapattinam, Tamilnadu.
* **TNPL** (Tamilnadu Newsprint and Papers Limited), Kagithapuram, Karur District, Tamilnadu.

**PERSONAL DETAILS**

Father name : Sekar.G

Date of Birth : 17.06.1989

Marital Status : Single

Mother Tongue : Kannada

Languages Known : Tamil , English & Kannada

**DECLARATION**

I **S. Lakshmi Narayanan** hereby declare that all the details furnished here are true to the best of my knowledge.

(S.LAKSHMI NARAYANAN)