# **Curriculum Vitae**

# **Process & Commissioning Engineer**

# **Chemical – Power – Oil & Gas Sector**

# **Ravishankar**

# [**Ravishankar.374417@2freemail.com**](mailto:Ravishankar.374417@2freemail.com)

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**QUALIFICATION**

A detail driven and qualified Chemical Engineer experienced in the field of Process & Commissioning. Inclination to take up Projects with full responsibility and commitment in the field of Chemical / Power / Oil & Gas Organization.

**EDUCATION**

|  |  |  |
| --- | --- | --- |
| ***EDUCATION QUALIFICATION*** | ***COLLEGE / UNIVERSITY*** | ***YEAR OF GRADUATION / CLASS OBTAINED*** |
|
| B.TECH (CHEMICAL ENGINEERING) | SHANMUGHA COLLEGE OF ENGG / BHARADHIDASAN UNIVERSITY | 2002 / FIRST CLASS |
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**EXPERIENCE SUMMARY**

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| --- | --- | --- | --- | --- |
| ***DURATION*** | | ***NAME OF COMPANY*** | ***POSITION*** | ***JOB DESCRIPTION / PROJECT*** |
| ***FROM*** | ***TO*** |
| JULY, 2011 | AUG, 2016 | VALMET CHENNAI PRIVATE LIMITED (METSO CORPORATION) | SENIOR ENGINEER | INVOVLVED IN PROCESS & COMMISSIONING FOR SUPPLY OF CHEMICAL RECOVERY BOILER & COAL FIRED BOILERS |
| MAY, 2008 | JUNE, 2011 | FLSMIDTH PRIVATE LIMITED | ASSISTANT MANAGER | INVOVLVED IN PROCESS & COMMISSIONING FOR SUPPLY OF ELECTRO STATIC PRECIPITATOR AND BAG FILTERS FOR CEMENT, PAPER AND STEEL INDUSTRIES |
| JUNE, 2006 | APR, 2008 | ENMAS ANDRITZ PRIVATE LIMITED | EXECUTIVE ENGINEER | INVOVLVED IN PROCESS & COMMISSIONING FOR SUPPLY OF CHEMICAL RECOVERY BOILER & EVAPORATORS |
| JUNE, 2003 | JUNE, 2004 | TRICHY DISTILLERIES AND CHEMICAL PRIVATE LIMITED | GRADUATE ENGINEER | PRODUCTION OF ACETIC ACID AND ACETALDEHYDE PLANT |

**AREAS OF EXPERTISE**

* Concept selection / Heat and Mass balance calculations
* Prepare and Checking of Process Flow Diagram & Heat and Mass Balance calculations
* Prepare and Checking of process calculation for Pumps
* Prepare and Checking Pumps & other equipment data sheets
* Involved in Commissioning and Start up for Chemical Recovery Boilers
* Involved in Commissioning and Pre commissioning activities for various recovery Boilers and Evaporators
* Involved in FAT Test and to coordinate with instrumentation Engineers to set DCS values and fixing safety interlocking systems which needs to be updated in DCS for Recovery Boiler
* Worked in Manufacturing unit of Acetic acid and Acetaldehyde plant
* Experienced in working in Continuous operations plant
* Experienced in working in Shift basis
* Preparation/reviewing of offer document confined to relevant sections at Proposal / Project stage
* Doing Pipe sizing calculations and to provide inputs to Drafting Engineer
* Flow sheet (P&ID) preparations
* Preparation of Basic Engineering calculations and Specifications for equipment (ESP, Fan, Pumps etc.,) which belongs to Recovery Boiler , within applicable design standards
* Proficient in implementing stringent system and quality plans to ensure high quality standards during all the stages of the projects.
* Preparation/reviewing of offer document confined to relevant sections at Proposal / Project stage
* Making of draft specification for the bought out items to obtain offer from sub vendors in both Proposal / Project stage
* Co-ordinate with Layout, Detail Engineering activities in Project execution phase
* Co-ordinate with vendors, sub-suppliers to integrate the bought-out equipment into the total plant engineering.
* Documentation of data as per prescribed methods and norm

**ORGANISATIONAL EXPERIENCE**

# **VALMET CHENNAI PVT LTD formerly METSO POWER INDIA PVT LIMITED - From July 2011 to Aug 2016**

Valmet (demerged from Metso Corporation) is a leading global developer and supplier of services and technologies especially for industries that use bio-based raw materials, primarily the pulp, paper and energy industries as well as selected process industries

**Position**

**Senior Engineer in** Valmet Chennai private Limited, from July-11 to Aug-16

**NATURE OF WORK**

* Involved in Commissioning and Pre commissioning activities for various recovery Boilers and Evaporators
* Involved in FAT Test and to coordinate with instrumentation Engineers to set DCS values and fixing safety interlocking systems which needs to be updated in DCS for Recovery Boiler
* Preparation/reviewing of offer document confined to relevant sections at Proposal / Project stage
* Making of draft specification for the bought out items to obtain offer from sub vendors in both Proposal / Project stage
* Doing Pipe sizing calculations and to provide inputs to Drafting Engineer
* Flow sheet (P&ID) preparations and Checking vide Comos Software. Updating the Motor Inputs, Valve list and Instrumentation list in Comos. Generating the Valve list, Motor list and Instrumentation list from Comos and providing inputs to Engineering and Instrumentation department.
* Preparation of Basic Engineering calculations and Specifications for equipment (ESP, Fan, Pumps, Ash conveying systems etc.,) which belongs to Recovery Boiler , within applicable design standards
* Co-ordinate with Layout, Detail Engineering activities in Project execution phase
* Co-ordinate with vendors, sub-suppliers to integrate the bought-out equipments into the total plant engineering.
* Evaluating the performance indicators, quality levels, dimensional data, of the different systems/equipments offered
* Documentation of data as per prescribed methods and norm.

**PROJECTS INVOLVED**

**Chemical Recovery Boiler:**

* M/s. Harihar Polyfibres, Karnataka, India.
  + 670 TDS/Day Chemical Recovery Boiler.
* M/s. Kohinoor Pulp & Paper, Assam, India.
  + 700 TDS/Day Chemical Recovery Boiler.
* M/s. Siam Cellulose Pulp & Paper, Thailand.
  + 700 TDS/Day Chemical Recovery Boiler.
* M/s. Chenming Pulp & Paper, Huanggang, China.
  + 4800 TDS/Day Chemical Recovery Boiler.
* M/s. West Coast Paper Mill, Karnataka, India.
  + Retrofit of existing 1100 TDS/Day Chemical Recovery Boiler.

### Field Experience:

### Site Erection & commissioning.

# **FLSMIDTH PRIVATE LIMITED - From May 2008 to June 2011**

One of the leading suppliers of equipment and serves to the global cement and mineral industries. FLSmidth is a global company employing more than 10,500 people worldwide.

**Position**

**Asst manager in** FLSmidth private Limited, from Jan-10 to June 2011.

**Senior Lead engineer** in FL Smith private Limited, from May-08 to Dec-09

**NATURE OF WORK**

* Proposal Preparation & Cost estimation for equipments (ESP & BAG FILTERS – Pulse jet filters and Reverse Air bag house)
* Turn key projects ( whole air pollution controlling system which includes ESP / BAG FILTERS, FANS, ASH CONVEYING SYSTEMS AND CONNECTING DUCTING SYSTEM)
* Gone for Several sites (Tata Steel, Jamshedpur, Vizag Steel plant etc.,) to study Layout ( layout out feasibility) to make Turnkey proposals which is important to estimate for Erection and Supply
* Estimation of ESP: Ex: taking individual estimation from costing sheet for Collecting electrodes, Emitting electrode ( Pin or Spiral electrode), Type of Rapping system (Migi rapping or Tumbling rapping system), TR Sets (Either Normal type or Hermitically sealed type),Controller for ESP, Insulators, Outer Casing, Type of Hoppers ( Pyramidal / Longitudinal), Ash conveying systems, ESP Support structure (either concreate or Steel structure) as per customer requirement
* Preparing complete consolidated techno commercial offer to customer based on Tender understanding the scope and customer requirements
* Organizing with vendors and Procurement department for getting most competitive offer
* Developed few vendors for Rotary Air locks, TR Sets, Instrument Air regulating systems for Bag Filters. Also made rate contract for the above equipment’s which made ease during estimation.
* Made standardization of ESP / BAG Filters type / models by studying several proposals or project made which make easy to provide estimation for budgetary proposals.
* Post – Order work like ABG Submission and order submission to Project management.
* Preparing and updation of cost data base
* Invidually handling internal job enquires and submitting complete proposal to concern department

# **ENMAS ANDRITZ PRIVATE LIMITED - From July 2006 to April 2008**

One of leading Design & manufacturer of Chemical Recovery boilers, Evaporators, Heat

Exchangers, Renovation/Retrofit of boilers supplying for Pulp & paper Boards divisions all

over in India & Abroad in Joint-venture with ANDRITZ OY, Finland.

Also in Joint-venture with Mitsui Babcock Energy India Private Limited, for manufacturing

Power boilers, Non Condensable Gas boilers, Coal fired Boilers & Renovation/Retrofit

boilers by Design, Manufacturing, Erection and Commissioning, servicing.

**Position**

**Executive Engineer** in Enmas Andritz private Limited, from Jul-07 to Apr-08

**Engineer in** Enmas Andritz Private Limited, from July-06 to June-07

**NATURE OF WORK**

* Preparation of P&ID from contract data for Chemical recovery boiler, Evaporator & its Accessories.
* Preparation of PFD for Boiler & Accessories.
* Preparation of Technical Evaluation on Vendor Specification /offer/ Drawing.
* Preparation of Design/operating Process parameters for Boiler & Accessories.

**PROJECTS INVOLVED**

**Chemical Recovery Boiler:**

M/s. The Andhra Pradesh Paper Mills Limited, Andhra Pradesh, India.

1300 TDS/Day Chemical Recovery Boiler.

M/s. ITC Bhadrachalam Paper Boards Ltd., Andhra Pradesh, India.

950 TDS/Day Chemical Recovery Boiler.

M/s. Abhishek Industries Limited, Barnala, Punjab

400 TDS/Day Chemical Recovery Boiler.

M/s. ABC papers, Punjab.

200 TDS/Day Chemical Recovery Boiler.

M/s. Tamil nadu paper mills, karur, Tamilnadu.

1300 TDS/Day Chemical Recovery Boiler.

**Evaporator:**

M/s. Abhishek Industries Limited, Barnala, Punjab.

170TPH Water. Evaporation

M/s. ABC Papers, Punjab

90TPH Water. Evaporation

M/s. Orient Paper Mill, Amlai, M.P.

114.7TPH Water. Evaporation

#### Desilication:

M/s. Andhra Pradesh Paper mill, A.P, India.

B.L Desilication demo plant

### Field Experience:

### Site Erection & commissioning.

# **TRICHY DISTILLERIES AND CHEMICALS LTD. (From June 2003 to June 2004)**

**Trichy Distilleries and Chemicals Ltd** have been in the distilleries and fermentation field for more than 30 years. The company actively engaged in the production of **Ethanol, Acetaldehyde, Acetic acid, Ethyl acetate, acetic anhydride, Dioctyl Phthalate & Methl pentanone.** The company has been awarded ISO 9001:2000 by the TUV, the Netherlands.

**Position**

***Graduate Trainee***

**NATURE OF WORK**

* Responsible for the operation of the entire plant.
* Planning of the production activities.
* Cent percent observation on ETP and safety parameters.
* Taking care of day to day operation of the plan
* Preserving the consistent quality of the products.

**SKILLS**

* Having good experience in trouble shooting
* Plant operation
* Starting and shutdown operation
* Production planning and schedule

TRAINING PROGRAM

* ISO 9001 – Quality Management awareness
* ISO 14001- Environmental management systems awareness.
* ISO 18001- Occupational Health and Safety awareness.
* Work at Elevation and at confined space.
* Design to Cost Training Program for Cost Optimization
* Training on Recovery Boiler Design ( RBD Tool) program in Finland
* Training on Cost estimation for Air pollution control equipment (Airtech Master tool)

OVERSEAS ASSIGNMENT

* Undergo Site study and Observation in Kymi Paper Mill 3000 tds/d Recovery Boiler, **Finland.**
* Involved in Start – up and commissioning for Phoenix Pulp & Paper Mill 800 tds/d Recovery Boiler, **Thailand.**
* Involved in Start – up and commissioning for Siam Cellulose paper Mill 900 tds/d Recovery Boiler, **Thailand.**

COMPUTER EXPOSURE

Software : MS-office, Windows ’2007, AutoCAD 2014, Comos

**PERSONAL INFORMATION**

### Date of Birth : 29.05.1979

### Nationality : Indian

### Marital status : Married

Known languages : Tamil, English & Hindi

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

Date : 11th November 2017

Place : Dubai