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***RAKESH***

***Rakesh.233871@2freemail.com***

*A Post Graduate Mechanical Engineer with* ***6+ years****’ experience in Design Engineering & Engineering Estimations of process Control & Measurement systems related to Oil & Gas, Petrochemicals, Cement, Power ,Fertilizers, Chemicals Industry Projects.*

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| **QUALIFICATION**  |

* **Bachelor in Technology** **(B Tech)- Mechanical Engineering**  Year 2006 Kannur University, Kerala , India
* **Master in Technology** **( M Tech- Mechanical(Thermal Energy Management )** – Year 2011- National Institute of Technology –Kozhikode, Kerala , India

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| **CORE COMPETENCIES**  |

* Good knowledge in Process Flow control & Measurement systems and associated Instrumention.
* Working experience with 3D modeling and drafting software’s like SolidWorks, AutoCAD etc.
* Good Exposure to various product Design codes such as ASME setion VIII ,Section II, ANSI, ANSI B 16.34 , ISO, etc.
* Good Exposure to Industrial ERP/SAP system.
* Good Knowledge on various commercial aspects related to EPC & Turnkey Projects.
* Effectively communication and negotiation capabilities.
* Good analytical and reasoning Power.

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| **DETAILED PROFESSIONAL SYNOPSIS:** |

1. ***CHEMTROLS INDUSTRIES LTD. MUMBAI, INDIA***

***( From June 2008 to till Date with 2 years break for attending M Tech)***

* **Chemtrols Industries Ltd Mumbai**, **India** is a leading solutions provider in Process Analytics, Environment and Emission Monitoring, Flow and Terminal Automation, Process Instrumentation, Steam Engineering, and Utility Management Systems. As a specialized service provider, it provide process solutions to various industries like Oil & Gas, Cement, Power, Fertilizer, Chemicals & Petrochemicals etc.

**Designation :**

* **Assistant Manager –Product Applications & Projects (steam engineering solutions)(From October 2013 to till Date)**
* **Sr. Engineer – Product Applications & Projects(steam engineering solutions) (From June 2011 to September 2013)**

**Assignments :**

* Providing necessary guidance/ assistance to various discipline engineers on development of process systems.
* Study the requirements of the Request for Proposal (RFP)/Invitation to Tender (ITT)/Pre-qualification (PQ) Tenders/Expression of Interest (EoI), etc, related to Consultancy Services, OEM’s and submit an Executive Summary to the management including scope of works, constraints, commercial/legal risk factors, review points, relevant drawings, etc, for their review, and for bid or no-bid decision.
* Selection & Sizing of indigenous **Desuperheating Stations and Pressure Reducing and**

**Desuperheating Skids (PRDS), pressure reducing valve skids ,Steam conditioning valves, safety relief valves ,Flow meters. Pressure vessels required** for Process Steam, Turbine Bypass, Boiler Packages (OEM) in Oil and Gas, Refineries, Power Plants etc.

* Evaluation & Study of customer process P&ID diagrams and understanding the application areas of customers.
* Preparation of complete bill of materials , Process data sheets ,Hook up diagrams for projects & products using Mechanical sizing softwares & ERP systems.
* Evaluate vendor bidding documents, including proposals, data, reports, drawings, etc. and coordinate with other disciplines and/or vendor for equipment layout, process datasheet, and instrument connection.
* Making detailed techno-commercial proposals and cost estimation, inquiry generation, offer

Follow-ups and sales closures for the above products as part of the Sales Cycle.

* Interacting with major EPCC companies, LSTK contractors etc. through persuasive

Communication for business development of novel products.

* Interacting with the customers, carrying out site visits to study the system

Requirements & design as well as attending project review meetings.

* Follow ups with sub-vendors for timely delivery of system products
* Post order processing and related activities like monitoring of manufacturing actions,

Coordinating dispatch activities and preparation of final technical documentation for

Submission to customers.

* Interacting with customers & suppliers for effective delivery of imported goods.
* Co-ordination with customers for smooth execution of orders.

**Designation :**

* **Engineer- Product Design (From June 2008 to July 2009 )**

**Assignments:**

* Reviewing technical as well as engineering specifications of orders/ offers to verify the compliance with ASME, ISO,API standards.
* Design calculation & stress analysis of Pressure vessels ,Volume Tanks as per ASME section VIII ,ASME section II etc
* Develop drawings & technical specifications as per applicable standards.
* Interacting with marketing, quality & production departments to identify ,standardize and Develop components
* Selection & Sizing of indigenous **Desuperheating Stations and Pressure Reducing and**
* **Desuperheatingskids(PRDS), Control valves, pressure reducing valve skids, Steam conditioning valves, Safety Relief Valves,Diffrential pressure flow meters** required for Process Steam, Turbine Bypass, Boiler Packages (OEM) in Oil and Gas, Refineries, Power Plants etc.
* Evaluation & Study of customer process P&ID diagrams and understanding the application areas of customers.
* Preparation of complete bill of materials & product codes for PRDS and desuperheating Skids in ERP system.
* Interacting with the customers, carrying out site visits to study the system
* Requirements & design as well as attending project review meetings.
* Development of various drawings for client approval.
* Tracking on Technical query, technical deviation & approvals.
1. ***INSTRUMENTATION INDIA LIMITED PALAKKAD, KERALA , INDIA***

***( From June 2007 to June 2008 )***

**Instrumentation Limited** is a leading Control valve manufacturer in India since 1975 in collaboration with M/s Yamatake Honeywell Co.Ltd, Japan the world renowned leader in process control Instrumentation including final control elements like control valves, Flow elements etc.

**Designation :**

* **Engineer- Design (From Feb 2007 to June 2008)**

**Assignments.**

* Reviewing technical as well as engineering specifications of orders/ offers to verify the compliance with ASME, ISO, API standards.
* Develop drawings & technical specifications as per applicable standards.
* Design calculation & stress analysis of Pressure vessels ,Volume Tanks as per ASME section VIII ,ASME section II etc
* Interacting with marketing, quality & production departments to identify ,standardize and Develop components.
* Review/ approving Summary sheets/Bill of materials of various Purchase/ Work orders prior to release.
* Co-ordinate with various valves/actuators/accessories Design, Engineering &development activities progressing at Instrumentation Limited.
* Updating standard Engineering Documents & Records, procedures and Drawings based on technical developments, standard amendment / revision etc.
* Selection & Sizing of Control valves, Valve skids, Flow elements such as venturimeter, orifice plate Assembly, flow nozzles etc.
* Analysis of flow test data and trim modification of control valves as per the test reports.
* Selection of proper metallurgy for control valves suitable with process parameters.
* Preparation ,verification and modification of GA Drawings and Part drawings using Drafting Software’s like Auto cad, Solid works etc.
* Providing necessary clarification on various queries received by commercial department about design compatibility and suitability of Control valves and flow elements such as venturimeter, orifice plate assembly, ,Flow nozzles etc.

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| **STRENGTHS** |

* Positive attitude.
* Leadership ability at workplace.
* Strong teamwork and excellent communication skills.
* Excellent time management and work prioritization skills.
* Strong in fundamentals of Thermal engineering & fluid Dynamics
* Multi‐skilled Mechanical Engineer with experience in various techno‐commercial aspects of Process Design.

I hereby confirm that the information contained herein is accurate and true to the best of my knowledge.