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FALCON ID # 2306

Maintenance / Piping Engineer

Residential Country : India Nationality : India  
Resume Title : Piping Engineer Notice Period : 26 Days

## EDUCATION

Qualification	Institute / College /university	Year	Country
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## CAREER SUMMARY

Position	Employer	Country	From Month/ Year	To Month/ Year
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## ADDITIONAL CERTIFICATE AND TECHNICAL QUALIFICATION

Name Of The Course	Course Date	Valid Upto	Name Of Organisation
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Current Salary (Monthly In Usd): Not Mention Expected Salary (Monthly In Usd): Not Mention

Additional Skills :

Softwares: AutoCAD, PDMS, CAESAR II

Additional Information :

PROJECT HANDLED: I.Modification of First Launch Pad (FLP) Liquid & Gas Storage & Servicing facilities to facilitate launching of new & heavy satellite launch Vehicles. II. Design, Fabrication & Testing of Fluid circuits for PAM  $1\frac{1}{2}$  G Project. III.Design, Procurement, realization and commissioning of Second Launch Pad (SLP) Project to serve variants of satellite launching vehicles. Project management Related: 

- Feasibility study and finalization of conceptual design.
- Preparation of RFQs (Request For Proposals) and estimation of Project cost.
- Preparation of Flow charts, Project Schedules, Milestones and identification of Critical activities.
- Evaluation of Technical & Commercial bids. Process related: Preparation & Finalization of

PFDs and P&IDs  
• HAZOP analysis.  
• Estimation of Storage Tank capacities, Pressure drop calculation and Pump Head requirements.  
• Sizing of Process lines, Safety Relief Valves, Burst Diaphragms, Pressure Regulators etc.,  
• Selection of materials to handle highly corrosive & hazardous Rocket Propellant & Chemicals.  
Piping Related:  
• Preparation of PMS & VMS  
• Finalization of Equipment Layout.  
• Piping Study & preparation of Piping GADs.  
• 3D Modeling of Storage & Servicing Facilities as per the process requirement and with respect to easy maintenance, accessibility etc., by using PDMS software  
• Verification of interfaces and interferences with other Engineering systems.  
• Isometrics extraction for further fabrication  
• Preparation of Preliminary & Final MTOs.  
• Review of stress analysis reports for critical lines w.r.t thermal loads & maximum allowable equipment nozzle loads.  
Mechanical Related:  
• Finalization of Specifications & Data sheets for various Equipments and Flow components.  
• Review of Fabrication drawings for various equipments like Storage Tanks, Heat Exchangers, cryogenic coolers, filter bodies etc.,  
• Review of assembly drawings of flow components like Ball valves, Safety Relief Valves, Check valves, Control Valves, Pressure Regulators etc.,  
Fabrication and Inspection activities:  
• Finalization of Welding Procedure Specifications (WPS), Procedure Qualification Records (PQR) and Welding Procedure Qualification inline with the ASME Section IX  
• Inspection & supervision of fabrication activities.  
• Witnessing of pneumatic/ hydro testing activities of various equipment & fluid systems.  
System qualification, Operation and maintenance activities:  
• System integrity by conducting leak checks by using Nitrogen gas with leak detecting solution at Maximum Operating Pressures (MOP) after assembly of various flow components.  
• Cleaning or drying of system by purging with hot Nitrogen gas till to get the required cleanliness and dryness values.  
• Conducting performance checks for various flow components like Safety Relief valves, Control valves, Electro Pneumatic ball valves, Pressure Regulators, Pressure gauges etc.,  
• Generation of algorithms for development of automated control system.  
• Assessment of overall system performance with integrated Mock up trails.  
• Operational in-charge for servicing of Liquid Propellants for PSLV C6 flight.  
• Periodical Maintenance activities