

Aditya Raghuwanshi

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CAREER OBJECTIVE:

Looking for an excellent opportunity to work as a mechanical engineer with my harness skills and background that will enable me to provide better services to my organization.

PROFESSIONAL SUMMARY:

- Conduct regular meetings with the project team to discuss progress issues and action plans for timely completion of the project.
- Monitor the quality of materials used by conducting inspections and ensuring adherence to project specifications and standards.
- Collaborate with procurement teams to ensure timely procurement of materials and equipment necessary for the project.
- Review and approve engineering drawings plans and specifications to ensure accuracy and compliance with project requirements.
- Coordinate with various stakeholders including contractors' engineers and clients to address any project-related issues and concerns.
- Develop and implement strategies to optimize project timelines cost savings and efficiency.
- Monitor and analyze project costs schedules and risks to identify and address any deviations and take corrective measures.
- Ensure compliance with health safety and environmental regulations throughout the project execution.
- Provide regular progress reports to the project management team and stakeholders.
- Conduct post-project evaluations to identify lessons learned and areas for improvement in future projects.
- Mentoring and guiding junior team members providing expertise and support as needed.
- Overall, my extensive experience and expertise in project engineering procurement, quality control, planning, fabrication, erection and commissioning will ensure the successful execution of projects within the designated time-budget and quality parameters.

WORK EXPERIENCE

Sr. No	Company	Role	Duration
1	Corrtech Energy Ltd.	Mechanical Lead	June 2023 to till date

PROJECTS SYNOPSIS:

Project/Client:	IOCL, Mangalore Terminal & Barauni Refinery
Role:	Mechanical lead

Project Overview:

- The IOCL Mangalore Terminal Expansion project is to modernize and enhance the operational capabilities of the Terminal.
Terminal expansion projects are typically undertaken to meet growing demand, improve operational efficiency, and enhance the overall infrastructure. The expansion of a terminal, such as the one by Indian Oil Corporation Limited (IOCL) in Mangalore, can involve increasing storage capacities, upgrading processing facilities, and implementing advanced technologies to optimize operations.
 - Capacity Enhancement
 - Infrastructure Modernization
 - Logistical Improvements
 - Operational Efficiency
 - Market Expansion
- The IOCL Barauni Refinery Revamp project is a crucial initiative to modernize and enhance the operational capabilities of the refinery. The revamp will not only increase the refining capacity but also improve the product quality energy efficiency and environmental compliance. This project will contribute to regional development and strengthen IOCL's position in the petroleum refining industry.

Capacity Enhancement: Piling, Civil & Structure, Piping, Mechanical work & Instrumentation.
(Strengthening of structure civil / steel of 23000 M.T., Pipe fabrication & laying 1.5 lakh inch meter, Equipment re-modification & new installation)

Responsibilities:

Design and Engineering:

- Develop and review design specifications and drawings for mechanical systems and equipment.
- Analyze process requirements and provide recommendations for equipment selection sizing and layout.
- Collaborate with other engineers and designers to ensure the integration of mechanical systems within the overall refinery design.

Equipment Selection and Procurement:

- Identify and evaluate suitable equipment for refinery operations such as pumps compressors heat exchangers and other machinery.
- Conduct technical evaluations vendor assessments and participate in the procurement process.
- Ensure compliance with technical specifications codes and standard industry practices.
- Coordinate with equipment suppliers and follow up on delivery schedules.

Construction and Commissioning:

- Collaborate with project manager's contractors and operators to ensure the proper installation alignment and commissioning of mechanical systems and equipment.
- Conduct inspections and quality control checks during construction to ensure compliance with design specifications.
- Review and approve contractor work plans procedures and documentation.
- Participate in safety reviews and hazard analysis to mitigate risks during construction.

Maintenance and Reliability:

- Develop maintenance plans and strategies for mechanical equipment in the refinery.
 - Conduct regular inspections troubleshooting and performance evaluations of mechanical systems.
 - Recommend preventive and predictive maintenance activities to optimize equipment reliability and minimize downtime.
 - Coordinate with maintenance teams to address equipment failures breakdowns and emergency repairs.
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Sr. No	Company	Role	Duration
2	Cushman & Wakefield Pvt. Ltd.	Project Consultant	March 2019 to May 2023

PROJECTS SYNOPSIS:

Project/Client:	Temple of Vedic Planetarium, Mayapur (W.B.)
Role:	Project Coordinator

Project Overview

The construction of the temple involved various architectural and artistic elements. One notable aspect is the fabrication and erection of stainless-steel frames weighing a total of 300 metric tons which were used for the construction of the main temple dome. Additionally stainless-steel frames weighing 200 metric tons were used for the construction of smaller domes within the complex.

To enhance the aesthetic appeal of the temple hydro chrome painting techniques were employed on glass fiber reinforced gypsum (GRG) frames. This process involves applying a specialized chrome paint finish which gives a reflective and shiny appearance to the frames.

Furthermore, gold leaf painting was executed on the GRG frames adding a touch of opulence and grandeur to the temple. Gold leaf is thin sheets of gold that are carefully applied to surfaces using specialized techniques creating a stunning visual effect.

Responsibilities:

- Work as a project mechanical consultant on TOVP project at Mayapur site.
- Interacting daily with the clients to interpret their needs and requirements and representing them in the field.
- Design related issues resolve as per site conditions.
- Revised drawing and implement according to client's requirement.
- Submit Monthly Progress to client.
- Resolving their fabrication related issues & provide solutions to them.
- Check & certify their bills.
- Coordinate with management regarding financial & design related issues.
- Erection methodology checking before proceedings & getting clearance from safety team.

PROJECTS SYNOPSIS:

Project/Client:	Hero Moto Corp Ltd. Halol (Gujarat)
Role:	Project Coordinator

Project Overview:

900 MT MS steel fabrication & erection of paint shop for Hero Moto Corp. Perform overall quality control, erection & Commissioning of the work (budget, schedule, plans and personnel's performance) and report regularly on project status.

Responsibilities:

- Work as a project consultant on hero Moto Corp project at halol site.
- Interacting daily with the clients to interpret their needs and requirements and representing them in the field.

- Prioritizing and delegating tasks to team members to maximize efficiency.
- Prepares project status reports by collecting, analyzing and summarizing information and trends and Recommending actions.
- Maintains a safe and clean working environment by enforcing procedures, rules, and regulations
- Determines project specifications by studying product design, customer requirements, and performance standards.
- Monitoring compliance to applicable codes, practices, QA/QC policies, performance standards and specifications
- Monthly bill verification & verification of Material consumed for the billed period.
- Complete handover site to hero Moto corps along with all required documents & reconciliation statements.

Sr. No	Company	Role	Duration
4	Reliance Industries Limited, Jamnagar	Manager	Feb 2014 To Dec 2017

PROJECTS SYNOPSIS:

Project/Client:	RIL-J3
Role:	Piping and Structural construction

Project Overview:

UG and AG Piping of SRU, SWS & CPU units in Pet coke Gasification complex and Structure fabrication more than 2000 MT. MS steel & Erection for SRU, SWS & CPU unit.

Responsibilities:

- Handle overall fabrication and erection activity.
- Mentoring every fabricator's progress on hourly basis.
- Preparing cost estimates and ensuring appropriate materials and tools are available for construction.
- Inspection of fabricated material as per drawing & matching that as per actual conditions.
- Providing technical advice and suggestions for improvement on projects.
- Analysis of Project standards, specifications, drawings, procedures and scope estimation.
- Guiding contractor in scope estimation and development of work procedures.
- Drawing changes required as per site condition than forward concern to design department for revisions.
- Ensuring availability / allocation of both Manpower & Resources for all the contractors effectively.
- Procurement of all construction material & PEB Material required for maintenance.
- Negotiating with suppliers and vendors to ensure the best contracts. Authorizing technical drawings and engineering plans.

Sr. No	Company	Role	Duration
5	Gannon Dunkerley & Company Limited, Dahej	Senior Engineer	Oct 2011 – Jan 2013

PROJECTS SYNOPSIS:

Project/Client:	Sikka Power Plant & Dahej RIL expansion project
Role:	Piping and Structural construction

Responsibilities:

- Responsible for Fabrication of MS & SS structure, material handling, erection & commissioning of Coal Handling Plant.
- Handling sub-contractor for meeting the targets.
- Meeting the requirements of the contractor related to design, planning, store, etc.
- Planning the sequence of structure to be fabricated, according to erection site requirement and availability of materials and equipment's.
- Making joint measurement sheet of fabricated & erected material.
- Maintaining total record of drawings distributed, scope, targets, completion dates, daily progress reports of contractors etc.
- Meet the requirements of the contractor related to design, planning, store & so on.
- Responsible for Erection of Pressure & Non-Pressure Parts of Boiler & Rotating Equipment's.
- Formulated Joint Measurement Sheet of fabricated & erected materials.
- Submitted reports on day-to-day activity to Project Manager.

Sr. No	Company	Role	Duration
5	Tapasya Engineering Private Limited, Sarni	Site Engineer	Jul'09 – Jul'10

PROJECTS SYNOPSIS:

Project/Client:	Thermal Power Plant project
Role:	Operation Maintenance

Responsibilities:

- Responsible for day-to-day preventive maintenance and breakdown maintenance of boiler and its auxiliaries.
- Bearing checking, replacement of bearing and alignment of the various fans and pumps.
- Played a pivotal role in planning & monitoring of the project progress with respect to time & cost.
- Lead mobilization of resources such as manpower, plant, machinery, funds and site facilities for smooth execution of project.

ACADEMIC FORTE:

- 2011 P.G. Diploma in Thermal Power Plant Engineering from National Power Training Institute.
- 2009 B.E. in Mechanical from Rajiv Gandhi Technical University, Bhopal.
- 2004 Diploma in FIRE AND SAFETY course from National Fire Academy, Vadodara.

DECLARATION:

I, Aditya Raghuwanshi, declare that the above information is true and correct to the best of my knowledge and nothing has been concealed or distorted.

Date:

Signature

Place:

(Aditya Raghuwanshi)