

Nikhil Mangalekar (M. Tech. Machine Design)

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OBJECTIVE:-

Seeking a position in industry allowing me to utilize my industrial experience and technical knowledge in various fields like Project engineering and management, Proposal Engineering, Noise & Vibration analysis and troubleshooting.

ORGANIZATIONAL EXPERIENCE:-

Current Employer: L&T Hydrocarbon Engineering Ltd.

Working with Asset Integrity Group of LTHE AdVENT, Powai from 13th July, 2012.

Current Designation: Assistant Manager

Key Responsibilities:-

1) To support hydrocarbon Offshore projects as part of Project Management Team (PMT).

Project Name:

➤ ONGC Bassien Development Project BCPA3(From July 2015 to Jan 2017)

Activities:

- Finalize the scope of work with respect to the mechanical equipment and packages with Client.
- Co-ordination between various departmental teams of Engineering, Procurement, QA/QC, Yard, Hookup and commissioning.
- To provide technical support in detailed engineering of Static and Rotary Mechanical Equipment.
- To support engineering team in preparation of MRs (Material Requisition), TBEs (Technical bid Evaluation) and PRs(Purchase requisitions) for the Equipment and Packages.
- To ensure on-time delivery of engineering deliverables.
- To interact with Vendors for closure of technical queries in time.
- Seeking necessary approval from client (ONGC) for engineering deliverables.
- Co-ordination between various departmental teams of Engineering, Procurement, QA/QC, Yard, Hook up and commissioning.
- Preparation of Vendor deputation plan for Yard and Offshore.
- Participation in providing necessary Inputs to yard to prepare the procedure for erection and installation of the equipment.
- Coordination of the Supervision team on site for installation of Mechanical Equipment & Packages.
- Commissioning of Mechanical Equipment/Packages

➤ GSPC Deen Dayal Wellhead Project DDW1 (From Jan-2015 to Feb 2015)

- Commissioning Support for Deck Crane.

2) To provide support in Proposal engineering of Hydrocarbon offshore projects in evaluating critical rotating machinery / mechanical packages.

Projects:

- SA Marjan Increment Project (includes 9 WHP, 4 TP Platforms and Brownfield Modifications)
- Dalma Gas Development Project (includes 3 WHP and Brownfield Modifications)
- Cairn MIP II onshore Facility

Activities:

- Determination of the Scope of Mechanical Discipline in different Tenders for onshore, offshore and demolition work.
- Preparation of detailed Equipment List indicating quantity, dimensions, weight, MOC and process parameters for Green Field and Brown Field (Tender wise).
- Participation in preparation of RFQs for all the Mechanical rotary and static Equipment such as Centrifugal Pumps, Tanks & Pressure Vessels, Reciprocating Pumps & Controlled Volume Pumps, Wash down water pumps, Chemical Injection skid, Scraper Traps, Bridge Cranes, etc.

- Review of Vendor offers for all the mentioned equipment, Raising TQs to vendors, following up with vendors for TQ closure, Reviewing TQ responses from Vendors and Preparing TBEs (Technical Bid Evaluation).
- Incorporation of TQ responses from Client and IDC in evaluating Vendor Offers.
- Preparation of Vendor deputation plan for Yard and Offshore.
- Participation in providing necessary Inputs to yard to prepare the procedure for erection and installation of the equipment.
- To support procurement team during commercial discussions and negotiations with Vendor for getting optimum quote.
- Active involvement in interdisciplinary and interdepartmental meetings.

3) To provide technical support in the area of Rotor Dynamics, Vibration and Noise Analysis, Troubleshooting and Failure Analysis.

- Troubleshooting of Troubleshooting of Blower Vibration for OMPL Project.
- Root Cause Analysis of Coupling failure between motor and gearbox connected to compressor, ONGC, Uran, India.
- Failure analysis of MHN- MNP South Crane.
- Vibration measurement and analysis of Naphta transfer pump at ONGC Uran.
- Vibration Measurements for TTPS project of HED Defence at DMDE Secunderabad.
- Noise measurements while string test in GSPC PLQP GTG project.
- Plant Noise measurements for GSPC project, Bharuch.
- Plant Noise measurement for NFL project, Bhatinda
- Lateral & Torsional Analysis Study & Reports Review of Rotary Machinery
- Fixed platform Crane Design Review.

CERTIFICATION:

- Vibration Analysis Training Level-1 Organized by IRD Mechanalysis
- Introduction to Project Management Level-0 Organized by L&T IPM.
- Industrial Training at Kolhapur Municipal Transport Workshop

INDUSTRIAL SKILLS

- Basic Knowledge of special softwares ARMD for rotor and bearing analysis.
- Basic Knowledge of modelling softwares CATIA , Auto CAD and PRO-E.

PROJECTS:

- **M TECH (at IIT Guwahati):** Experimental Studies on Thin Wall Machining of aluminium 8011 Alloy.
- **Engineering (Final Year):** Hydraulically Assisted Mechanical Chuck.

ADDITIONAL SKILLS / INFORMATION:

- Ability to deliver under pressure, achieve the targets and superb team work
- Result-oriented approach
- Consistent Academic Record – X, Diploma, Engineering, Post Graduation

SPECIAL ACHIEVEMENTS:

- Beneficiary of LTHE ICONS Award (Recognition for excellent work) for bring part of the team for following events:
 - 1) Troubleshooting of coupling failure problem in a Lean Gas Compressor at ONGC Uran Project.
 - 2) Design, fabrication and installation of a temporary slew locking arrangement for Deck Crane.
 - 3) Completing Hook-up, Commissioning & Handover of BLQ3 living quarter platform to ONGC before schedule.
- Runner-up for MODEL MAKING in National Level competition organized by AISSMS COE, Pune.

EDUCATION:

Pre-Engineering Qualification:

Class	Board	Year	Percentage Marks
SSC	Maharashtra State Board – Kolhapur Division	2003	72.13
DIPLOMA	Maharashtra State Board of Technical Education	2006	74.31

Engineering Qualification:

Branch: Mechanical Engineering

Class	College/University	Year	PercentageMarks
B.E.	KIT's College of Engineering, Kolhapur Shivaji University, Kolhapur	2008-09	70.89 %
T.E.		2007-08	68.77 %
S.E.		2006-07	62.03 %
Average			67.23 %

Post Engineering Qualification

Branch: M TECH (Machine Design)

Class	Institution	Year	CPI
1 st year	IIT Guwahati, Guwahati	2010-11	7.55
2 nd year		2011-12	9.5
Average		8.4	

HOBBIES

- Trekking and Travelling
- Playing outdoor Sports
- Listening to music

DECLARATION

The above information is true to the best of my knowledge and belief.

Nikhil Mangalekar