

Nischal Kumar A



Manager–Engineering & Maintenance(RIL)- Mechanical

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To work in a challenging role with a milieu that would facilitate the maximum utilization and application of my skills and expertise in making a positive difference to the organization

Mechanical Engineering professional offering 7.6 years of experience in Maintenance, Reliability & Projects in MRPL, Mangalore LPG Import Facility & presently in Reliance industries Limited.I am having experience of working in organisations with world class safety standards and integrated management systems (IMS) in a highly computerised environment with ERP Packages like SAP and other softwares.

- Experienced in Maintenance, Troubleshooting, Problem solving, Root cause analysis of Rotating & static Equipments like Centrifuges, Pumps, Fans, dosing packages, Heat exchangers, vessels etc.
- Experienced in Turnaround of FCCU(Fluidized catalytic cracking unit) plant in Jamnagar for overhauling of PRT(power recovery train1 and train2) MAN turbo Make and its internals.
- Experience in review of equipment drawings - (G.A drawings, part specific drawings of rotating and static equipment), specifications, P&ID and piping isometrics.
- Sound knowledge of fabrication codes & engineering standards
- Gained exposure & experience in Work Permit System, 5S, Aspect-Impact Analysis, ISO 14001, OHSAS 18001, ISO 22000 Management System.
- Experienced in AutoCAD, Solid Edge, ANSYS and MS Office applications.
- Know-how of quality assurance techniques like TPM and TQM.
- Self-motivated, hardworking, dedicated with ability to understand and meet the time lines-and very good understanding of organizational needs.
- Eager to contribute in a team-oriented environment having inner desire to gel in cohesive team and work for business growth.
- Preparation of Standard Maintenance Procedure (SMPs) as per Dupont Standards for all rotating & static equipment, Spares Parts Interchangeability Record (SPIR) & Spares management - Review and optimization of Spares requirement, Ensuring availability of critical spares, Inventory expenses optimisation, vendor / product development, etc.
- Possess good knowledge in Safe Engineering Practices, Risk-assessment for all jobs, Work Permit procedures, Lockout procedures, and Electronic Permit System. Well trained in work procedures followed in Hydrocarbon processing facilities of international scale.

AREAS OF EXPOSURE

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| ➤ Equipment-Predictive&Preventive Maintenance | ➤ Static vessels-Inspection &Repairs |
| ➤ Plant Engineering & Maintenance | ➤ Manpower Management |
| | ➤ Erection&Commissioning (Static&Rotating) |

CAREER SUMMARY

CAREER PATH	DURATION
Manager – E&M- Mechanical(Refinery Division), Reliance Industries Limited, Jamnagar Manufacturing Division,Gujarat	Presently working From Nov 2014

Field Engineer-HPCL-Mangalore LPG Import facility and Jetty	6Months
Reliability & Maintenance Engineer-Mangalore Refinery & petrochemicals Limited.	1.5 years
Project Engineer-Nutan Engineering pune, at client THERMAX LTD site for projects.	1.1 year

Professional Experience:

As Manager –Engineering & Maintenance – Mechanical (Oil & Gas):

- Initially i was involved in Erection, Levelling, and start up activities of Rotary Equipments of MEG(Mono Ethylene Glycol) & Air separation unit plant Equipments like Main Air compressor(Siemens), Cycle gas compressor(Elliot Ebara) & Nitrogen compressor(Siemens).
- I am involved in the new Paraxylene – 4 (PX4 Unit) projects which was a part of the upcoming J3 Projects. My current responsibilities include review of the detailed engineering of the new PX4 plant, specifically the Equipment & piping Layouts, P&IDs review, Procurement Expediting, Planning, Coordination & supervision of Erection, pre commissioning & commissioning activities for a safe & reliable on time start-up of the Plant.
- I am involved in erection and commissioning of Fuel gas compressor(Atlas copco), hydraulic pusher centrifuges(B&P),Bowl and screw type(Andritz) centrifuges, Reslurry drum agitator and crystallizer vessels and pumps of various capacities and make.
- Preparation of Standard Maintenance Procedure (SMPs) as per Dupont Standards for all rotating equipment, Spares Parts Interchangeability Record (SPIR) & Spares management - Review and optimization of Spares requirement,Ensuring availability of critical spares, Inventory expenses optimisation,vendor / product development, etc.
- Involved in hydrotesting of air fin fan coolers,heat exchangers, etc also took part in enabling of steam blowing activities with coordination with operations.
- Involved in Critical loops, Piping Supports & Spring supports inspection for Mechanical clearance and piping box up of the critical lines of Isomerization fractionation and Depentaniser Area.
- Involved in precomissioning & commissioning activities of pumps,Exchangers, Vessels,fin fan coolers and compressors for plant RFSU.

As Field & Maintenance Engineer(HPCL&MRPL):

- Responsible for overseeing all maintenance activities, Monitoring, optimization and troubleshooting of plant and pipeline operations in the plant and in oil jetty.
- Responsible for spearheading and handling coastal terminal maintenance of manual operated valves,booster pumps, motors and diesel generators.
- Key role in handling Pressure-testing of Vessels/Heat Exchangers including connected piping systems, Piping & Fabrication jobs including modification and re-routing jobs.
- Successfully conducted 5S & OHSAS activities by preparing / updating documentations thereby increasing the plant's safety requirements.
- Key role in planning & scheduling annual maintenance calendar along with overseeing Plant up-keeping activities.
- Involved in Erection and commissioning of new machinery along with auxiliary systems and establishing plant facilities.
- Knowledge of vibration analysis techniques related to rotating equipment and identifying of defect parts and assembling rotating equipment engineering.
- Handling the tasks of reviewing and verifying reports on equipment maintenance and repairing.
- Coordination in oil sampling program and preparation of reports and recommend methods of repair, identifying plant and improvements.
- Conducting failure analysis, recommending improvements, modifications or maintenance changes to plant reliability.

Noteworthy Credits:

- Erection & commissioning of static and rotary Equipments in Paraxylene4.
- Involved in Erection and commissioning of jetty 12 unloading arm in NMPT port for HPCL.
- Involved in Pre commissioning and start up of Recycle gas compressor in Diesel Hydrotreater unit in Phase 3 Expansion of MRPL.

Safety, health and environment:

- Prime importance to personal, personnel and equipment safety at all times.
- Strictly following the work permit system, implementation of safety procedures and norms in compliance with organization's SHE policies and promoting awareness about them among subordinates and contractors through tool box talks.
- Trained for the following:
 - a. Use of personal protective equipment.
 - b. Fire fighting.
 - c. Rescue personnel during emergencies.

SCHOLASTICS, SEMINARS& TRAININGS

- **B E Mechanical** from St Josephs Engineering college, Mangalore (Visveswaraiiah Technological University)
- **12th** from Canara PU College, Mangalore.
- **10th** from B.E.M High School, Mangalore.
- Seminar/Training on Bearing & lubrication By SKF at JMD Learning Centre.
- Training on fans and blowers, pumps, and compressors at JMD Learning Centre.
- Seminar and Workshop on Combustion Engineering conducted by SAE India
- Workshop on Latest Automotive Technology organized by SAE chapter of PSG institute of technology, Coimbatore.
- Attended training on Soft Skills conducted by eminent personalities from various industries
- Trained in BOSCH rexroth centre of competency automation Mysore for hydraulic and pneumatics.
- Trained in SDP on CNC programming and machining conducted by small industries service institute bangalore, small scale industries, Govt of India.

PERSONAL DOSSIER

Linguistic Proficiency	:	English,Hindi, Kannada and Tulu
Interests	:	Reading, Music, Cricket
Preferred Location	:	Mangalore, Pune, Mumbai, Bangalore, Any Gulf countries,
International Locations.		
References	:	Furnished upon request