**PANKAJ. PATEL**.

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**Mechanical Maintenance professional with 23+years’ experience in mechanical (Rotating & static) maintenance,**

**Seeking assignment as…**

**mechanical /rotating SPECIALIST, ENGINEER, SUPERINTENDENT/MANAGER (Refinery / Petrochemical plant )**

Mechanical Maintenance Professional holding Bachelor of Mechanical Engineering degree with over 23 +years of working experience in the field of mechanical maintenance with reputed companies like VTTI refinery & Tank farm terminal (UAE), with SABIC & ARAMCO (KSA)and in Reliance (India). Ability to work as team member and leader to undertake maintenance of rotary and static equipment’s in refinery & petrochemical plants mainly CDU, VDU, utility, tank farm and polymer plants with different nationalities, environment and Climate. Ability to carry out inspection, PM/CM/OH maintenance, spare inventory, pre-commissioning/commissioning, shutdown, turnaround, start up, documentation with strong adherence to safety and operation requirement. Approach & assisting in operational improvements related to plant/equipment reliability and meet job/target as per operation requirement.

**Professional SUMMARY**

* Looking after installation, commissioning and maintenance of plant equipment’s mainly rotating equipment.
* Shutdown & Turnaround - Experience
* Material/spare- inventory control & inspection.
* Manpower management and planning job
* Undertake continuous training and development of team
* Set KPI / objective and review timely and access performance / developments with team
* Ensure team members adhere to safety and follow policy / procedure.
* working with SAP (material management / maintenance) and worked with Maximo & Ultimo system.
* Perform and planning inspection, Preventive, Breakdown & overhauling maintenance activities for Rotating & static Equipment’s
* Inspection, Verification and certification of jobs executed to contractors and certification of invoices.
* Pre-commissioning & commissioning experience.
* Preparation of budget and control during year, auditing & maintenance planning.
* Ensure routine safety tools and safety valves calibration are taken timely.
* Preparation of equipment presentation, check list, procedure and training material.
* Perform route cause analysis (RCA)and resolve problem
* Review procedure, policy, design as per standard to achieve high performance, integrity and reliability of plant and equipment’s
* Manage the quality and qualification of outsourcing services, consultant and contractors related to maintenance.
* Working with different nationalities, environment and climate, focused and target driven with positive, can do attitude.
* Continue coordination and reschedule job between planning, procurement and operation to meet operation target safely and timely.

**Experience SUMMARY:**

**VTTI- Fujairah Refinery & tank farm terminal , Fujairah, UAE**

**Manager (Mechanical): May 2015-Present continue…**

**Key Responsibilities:**

* Leading a team of 35 employees to efficiently manage the installation , maintenance and commissioning of rotary & static equipments of the refinery plant –CDU, VDU, Utility & tank farm terminal.
* Planning and executing the inspection / preventive / breakdown / overhauling maintenance activities of the rotating & static equipments of the plant for safe working & integrity / reliability point of view.
* Ensuring that the maintenance is conducted in a safe manner in accordance with maintenance procedures, guidelines, technical standards and industry best practice.
* Developing and managing an annual maintenance budget for the maintenance department including operational, capital and resource needs.
* Providing leadership and guidance to the maintenance team to carry out trouble shooting of rotary equipment defects and promoting a maintenance program that ensures a “safety first” philosophy & integrity / reliability point of view.
* Carrying out Inspection, verification and certification of the executed jobs by contractors and clearing invoices.
* Introducing and maintaining a systematic inventory control and spare parts controlling system, exclusively for the maintenance department and ensuring timely ordering of spare parts.
* Coordinating with the training department to draw the training program to be conducted during the current year for the maintenance covering various topics.
* Organizing training to employees of maintenance department including the contract labor to carryout maintenance and daily toolbox housekeeping activities in maintaining the plant.
* Establishing the Critical Long Term Service Agreement for undertaking the plant maintenance and finalysing the contract for outsourcing the AMC.
* Reviewing and plan the maintenance frequency based on the breakdown history of equipment’s or on the basis of the findings of vibration monitoring surveys of rotating equipment’s
* Ensuring timely calibrations of PSV/TSV, lifting tools, measuring tools for periodical calibration.
* Preparing and implementing detailed work procedures for the maintenance department and for work shop to ensure that the activities are carried out safely
* Reviewing scope of work, design as per API, ASME standard for rotary and stationary equipment during maintenance ,construction, commissioning and start up phase.

**Saudi Aramco Total Refinery (Satorp Refinery)-CDU & UTILITY plant, KSA:**

**Rotating Equipment Supervisor / Acting leader : Jul 2012 - Apr 2015 (@3 yrs.)**

**Key Responsibilities:**

* Lead a team of 16 technicians with the responsibility of providing effective supervision and technical & maintenance support in respect of rotating equipment’s maintenance, problem identification/solving and assisting in operational improvements related to plant/equipment reliability and integrity.
* Ensured that all activities are carried out safely complying with company HSE guidelines and procedures.
* Created budgets for the rotating equipment maintenance section, considering labor, material spare costs and sub-contract work.
* Maintained written detail progress reports of equipment repairs.
* Prepared and implemented detailed work procedures for the maintenance department and work shop and ensured that the activities are carried out safely.
* Provided leadership and technical guidance to the technicians in trouble shooting and rectification of faults.
* Ensured sufficient and suitable resources and equipments are available to complete all mechanical repair works within the agreed time.
* Ensured a safe work place by maintaining proper housekeeping, shop cleanliness and orderliness.
* Ensured the team members have proper access to the necessary procedure, spares, consumables, tools to perform their assigned job and that the tools are routinely inspected and maintained.

**Saudi Kayan Petrochemical-SABIC-(PP Polymer Plant & utility ), Jubail, KSA**

**Mechanical Supervisor : May 2009 - Jun 2012 (@3.5yrs)**

**Key Responsibilities:**

* Lead a team of 10 technicians and supervised the work performed by the team and ensured timely and safe installation, maintenance, repair and testing of mechanical stationary and rotating equipment in the plant.
* Assisted the plant technicians in trouble shooting and locating the faults and proper rectification of faults.
* Contributed to the annual planning for budget, Audit, spare parts requirement, consumable materials and special tools.
* Determined the training needs for team members and trainees, and ensured adequate on-the-job training to them for skill development.
* Ensured the observation of HSE regulations and guidelines by team under supervision and promoted the use of safe work practices.
* Participated in carrying out the annual shutdown or major equipment turnarounds in the Plant.
* Planning and executing the inspection / preventive / breakdown / overhauling maintenance activities of the rotating & static equipments of the plant and daily toolbox meeting.
* Maintained shift log books to communicate the day to day maintenance activities performed and issues if any.

**TASNEE Petrochemical / MMG - PP Polymer Plant, Jubail, KSA:**

**Sperintendent (Mechanical): Nov 2007 - Apr 2009 (@ 1.6yrs)**

**Key Responsibilities:**

* Lead a team of 50 (including engineer, supervisor and technician) for pre-commissioning and commissioning of plant.
* Reviewed Pre-commissioning & Commissioning Procedures for polymer plant and ancillary utilities end ensured that they meet the requirements as per check list and methods statement.
* Inspected and monitored the piping layout as per ISO and P & ID drawings and ensured proper cleaning, leak test, hydro test, drying and inerting of piping and vessel.
* Checked and verified that all valves, filters / strainers are installed properly as per drawing and witnessed & alignment of rotating equipment’s.
* Carried out the pump and compressor performance test run and ensured that the performance is satisfactory.
* Ensured proper approved documents and spares are in place prior to start of Testing and Commissioning activities.
* Ensured proper spares, special tools, manuals & drawings are received and reviewed.
* Managed the Testing and Commissioning process, reviewed testing plans, directed and documented performance testing and ensured the satisfactory completion of the works.

**GCPTCL/Reliance (Utility & tank farm Plant), Dahej, Gujarat, India**

**Mechanical Officer : Mar 2002 - Nov 2007 (@ 06 yrs)**

**Key Responsibilities:**

* Lead a team of 20 staff (including supervisor and technician) with the responsibility of providing effective supervision and technical support to the Maintenance staff in respect of maintenance, spares, procedure, problem identification/solving and assisting in operational improvements related to plant/equipment reliability.
* Planning for maintenance, Budget, Audit, spares inventory, training, documentation...etc...
* Planning and executing the inspection / preventive / breakdown / overhauling maintenance activities of the rotating & static equipments of the plant and conduct daily toolbox meeting.
* Ensuring timely calibrations of PSV/TSV, lifting tools, measuring tools for periodical calibration.
* Carrying out Inspection, verification and certification of the executed jobs by contractors and clearing invoices.

Previous EXPERIENCE:

* **BOROSIL,** Govali, Gujarat, India - Mechanical maintenance Engineer (Utility plant) - Dec 1994 to Feb 2002 (@ 07 yrs.).

Maintenance of Rotary equipment’s –pumps, compressors, air dryer, chiller, softening plant, WWTP / ETP plant, N2 plant, DG set, blowers etc.

QUALIFICATIONS:

**Education**

* **B.E**-**Mechanical Engineer** - Vinayaka Mission University, Salem, Tamilnadu - Nov 2009 with first class (Degree attested -UAE)
* **Diploma Mechanical Engineer** - B.T. E. Mumbai G.M. Poly (Lonkheda) - April1994 with First Class (Degree attested –KSA & UAE)
* Completed certificate course of **MS office and SAP** through LCC - 2004

**Computer Skills**

* MS Office , SAP (material management , maintenance ), Maximo , Ultimo

**Professional Training:**

* **Pump**
* Flowserve –centrifugal pumps – Dammam (KSA) - NOV 2012
* Clyde union –centrifugal pumps –Dammam (KSA) - NOV 2012
* SNM -Pump - one week during -Dammam (KSA) - Oct 2009
* Kirloskar pump - one week - Kirloskar, Wadi (M S - India) - Oct-2004
* **Various other professional training:**
* Root cause analysis training –one week - Meridium - Oct 2014
* Mentor and evaluator certification course - One-week course - Aramco - Oct 2014
* Conditioning monitoring – GE energy -3500 & system - Dammam, KSA - DEC 2012
* The power of Leaders training – One week - Meirc - Jun 2014
* Dresser rand – Turbine – Dammam, KSA - Sep 2012
* SAP Basic training course – Aramco refinery, Dammam, KSA - SEP 2012
* PCS System (Coperion)- One-week onsite training – KSA - Mar 2010
* Refrigeration/chiller system (THI)-One-week onsite practical training - (KSA) - Apr- 2010
* D G set -CUMMINS--one-week onsite practical training - Gujarat - India - Nov 2007
* SVT Marine loading arm- onsite practical training - Gujarat- India - Mar 2003
* **Compressor**
* Reciprocating compressor - SIAD – one-week onsite practical training - KSA - Apr 2010
* Screw compressor-ATLAS COPCO one-week onsite practical training - KSA- November- 2009
* Centrifugal compressor -KOBELCO - one-week onsite practical training - KSA- Jul 2009
* Reciprocating compressor - DRESSER RAND - one-week onsite practical training - India- May 2005

**Rotating equipment: (Installation, commissioning & maintenance)**

* **Pumps**: All types of pump for various applications to handle hydrocarbon, petroleum product and utility services.
* **Compressors:**
* Screw type (Atlas Copco & Aerzerner) Compressor
* Reciprocating type (Kirloskar, Garo & Burckhardt, Dresser Rand & Ingersoll) Compressor
* Centrifugal compressor (Ebara, Aerzerner & Kobelco)
* Steam Turbine (Dresser rand steam turbine)
* **DG Set**: Cater Pillar, Cummins, Greaves
* Blowers and fans
* Gear box, Hydraulic power pack
* Chillers & dryers (Atlas Copco)
* Marine loading arm, tank farm terminal & jetty equipment

**Static Equipment:** Below job performed along with static, QA/QC inspection, third party inspection and operation.

* **Heat exchanger** - Various types of Shell & Tube exchangers cleaning, Hydro testing, retubing & plugging of tubes.
* **Column –** Maintenance column, cleaning, maintenance like trays & Valves.
* **Pressure vessels** – Maintenance of vessel. Internal cleaning, inspection & repair. Periodic checking of vessel as per statutory requirements like thickness, hydro test and other NDT inspection.
* **Boiler** – Fuel burner maintenance, refractory works, blower, inspection of tubes & decoking. Checking of vessel / tubes as per statutory requirements like thickness, hydro test and other NDT inspection.
* **Furnace** - Fuel burner maintenance, refractory works, blower, inspection of tubes & decoking, economizer cleaning, checking of tubes as per statutory requirements like thickness, hydro test and other NDT inspection.
* **Desalination unit, WWTP/ETP & water softening plant**–clean/replace tubes, maintenance/cleaning of nozzle, sparger, exchanger, filters job.
* **Storage tanks** – Maintenance of different types of atmospheric tank, activities like minor repair of roof, annular & bottom plate replacement, roof supporting structure. Internal inspection of storage tanks including NDTs like thickness, sprinkler test, foam testing...etc.
* **Valves** – all type of valves Maintenance & Inspection
* **Piping job** – NDT, pipe leak attending, modification, painting.
* Measuring tools, Safety valves and lifting tools /tackles calibration

**STRENGTH: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Total 04 plant (petrochemical -PP& refinery -CDU-VDU & Utility) commissioned, start up and run / maintenance.
* Equipment -Risk identification and / Problem solving skills
* Clear and unambiguous communication skills
* Continue Co-ordination between planning, material & operation departments to meet operation target.
* Continuous close monitor on maintenance activities.
* Time Management of self and others
* Working with different nationalities, environment and climate
* Prepared maintenance book for day to day field mechanical maintenance -268 pgs.
* No smoking, No alcohol & Regular physical exercise. Physically fit –no issue.
* Driving license – Indian, Saudi Arabia & UAE.

Personal Particulars

* **Date of Birth :** 24th June 1969
* **Languages Known :** English, Hindi, Gujarathi
* **Nationality :** Indian
* **Passport No. :** Z 5305574 valid till 25/08/2029
* **Visa Status :** Employment visa -UAE
* **Driving license :** India, KSA, UAE