

# Job Description

## 1. Position Details:

Position Title:

Technician Rotating Equipment - (Upstream)

## 2. Position Summary:

This position carries out the maintenance and repair of various types ROTATING EQUIPMENT in the MWSPC (Upstream) plant equipment such as Pumps, Gear Boxes, Compressors, Steam Turbines and Expanders. This includes the regular monitoring and rectification of defective equipment, disassembly, repair and reassembly of equipment and assisting in the installation and testing of new machinery.

## 3. Key Duties and Responsibilities

- Carries out independently or under instructions, the complete or partial overhaul of plant equipment.
- Maximize the Reliability & Availability of plant equipment.
- Carries out routine maintenance on rotating equipment, carries out visual checks of seals for leaks, disassembles equipment, replaces parts as directed, cleans equipment, replaces packing and gaskets, repairs as appropriate, checks bearings and reassembles.
- Ensures correct alignment and tolerances, using precision measurement instruments, such as laser alignment equipment, DTI clock gauges, micrometers, and gauges.
- Carries out routine preventive maintenance of machinery according to schedules, check lists and specific equipment requirements. This includes changing oils, greasing, cleaning strainers and filters and general overhaul of equipment.
- Repairs and or replaces defective parts, reassembles overhauled equipment and carries out necessary tests and performance monitoring upon start-up.
- Assists in planning annual shutdown and major equipment turnarounds and carries out complete overhaul rotating equipment.
- Reassembles and tests equipment in accordance with requirements or tests schedules.
- Assist in inspection of equipment for its healthiness.
- Strict Adherence to MWSPC's HSE processes and operating procedures and Good Housekeeping.
- Perform Continuous Improvement: Improve Reliability of Equipment/Process, Improve Safety, Improve Maintainability, Reduce Cost, Active participation in Major Development Projects.
- Maintain / Update the job completion records.
- Perform Technical investigation & Root Cause Analysis.
- Give input on budget and financial projections.
- Interact closely with the Planning Team and ensure smooth operation.
- Request for external material and services, if needed.
- Ensure the KPI of the Reliability Team is achieved.

### **Health, Safety and Environmental**

- Promote a culture of "Safety First" as reflected by low accident and incident rates.
- Ensure implementation of the operational HSE Management System to ensure all MWSPC staff observes standard HSE processes and operating procedures.
- Participates in Emergency Response and Command activities as required.
- Ensures that all reliability personnel and contractors are fully briefed and trained on MWSPC's HSE regulations and adhere with them.
- Participate in the investigation of work accidents/incidents ensuring the effective implementation of the MWSPC's safety policies.

#### 4. Education - Experience - Qualifications

##### **Minimum Education:**

Technical Diploma or equivalent education

##### **Experience and Qualifications:**

8 to 10 years hands on experience in Mechanical Maintenance of Rotary equipment in Refining, Petrochemical, Fertilizer/Mining which includes - Preventive, Corrective & Shutdown Maintenance.

##### **Skills**

- Knowledge of motors, turbines, compressors, fans, gear boxes, and pumps is essential. Extruders, agitators, mixers, reducers and dryers are an asset.
- Knowledge of gear design, ratings, manufacturing methods and quality control is preferred.
- Working knowledge on operation, maintenance and repair methods and techniques of gears, fluid drives, shafts, bearings, couplings, power transmission systems and turbo machinery.
- Knowledge of machine dynamics, vibration measurement and analysis, tribology and lubrication, and failure analysis.
- Must be able to apply theory and experience to the application, inspection, start-up, troubleshooting and operation of various power transmission devices.
- Proven track record of managing time limited projects.
- Excellent relationship building skills (internal and external)
- Excellent written, verbal and presentation skills in English required,
- Extensive computer skills in using Microsoft software (Word, Excel, PowerPoint, etc.) plus other software pertinent to the work performed would be advantageous.
- Ability to work with diverse populations, and foster a cooperative team environment.
- Bi-lingual or multi-lingual is a plus
- International work experience in remote camp environment.

##### **Other Details**

- Willingness to be away from home for lengthy period required
- Willingness to work internationally
- Willingness to work in remote location
- Must have valid passport, capable of meeting medical and background requirements to obtain Visa for Saudi Arabia.

#### 5. Core Behaviours: (Professionals)

<b>1) Teamwork</b>	<b>Communication and collaboration with each other across the company and with partners to achieve success together, values peoples contribution and recognizes achievements.</b>
	<ul style="list-style-type: none"> <li>▪ Works together, ensures work well done is commended</li> <li>▪ Looks beyond our own responsibilities, and is prepared to go the extra mile to achieve MWSPC goals</li> <li>▪ Supports colleagues to set high aspirations and to achieve them together</li> <li>▪ Openly shares knowledge and learns from each other</li> </ul>
<b>2) Integrity</b>	<b>Honesty, integrity and the highest ethical standards in day-to-day activities to protect our reputation in relationships with all our stakeholders; ensures people decisions are objective, fair and transparent</b>
	<ul style="list-style-type: none"> <li>▪ Honest, fair and ethical in all business practices</li> <li>▪ Cares for MWSPC's reputation inside and outside of the workplace</li> <li>▪ Treat MWSPC as their own business</li> <li>▪ Treats people fairly and appreciates diversity</li> </ul>

<b>3) Care</b>	<b>Sustained care and fairness for our people, the communities we touch and the environments we operate in; communicates clear direction</b>
	<ul style="list-style-type: none"> <li>▪ Actively finds ways to improve the quality of life of colleagues and the communities within which MWSPC operates</li> <li>▪ Creates a learning environment that ensures high employee engagement to fulfill their aspirations</li> <li>▪ Takes interests in others</li> <li>▪ Respects and practices the environment through sustainable operation practices</li> </ul>
<b>4) Ownership</b>	<b>Personal ownership for quality results in pursuit of our collective goals; provides authority and responsibility to others; is tolerate of mistakes and supportive</b>
	<ul style="list-style-type: none"> <li>▪ Treats MWSPC as own business, goes above and beyond expectations not only for own function or department, but for MWSPC as a whole</li> <li>▪ Establishes clear goals and expectations for ourselves, and sets high standards for own performance</li> <li>▪ Takes responsibility for own actions and behaviors, does not pass the blame when things go wrong</li> </ul>