

# JOB DESCRIPTION

## 1. IDENTIFICATION

Date: 15/06/2024

### Job Title

Automation Maintenance Senior Engineer

Level: Senior Engineer

### Job Occupant

### Subordinated to

City: Sohar, Oman

## 2. JOB SUMMARY

- Responsible for the development of the process routes for mineral projects and the implementation new methodology and procedures in the maintenance of the equipment emphasizing the technological improvement and the monitoring of innovative technological solutions, aiming to increase the availability and the productivity of the equipment.

## 3. MAIN CHALLENGES

- Increase the availability and the productivity of the equipment by introducing a new methodology in doing the maintenance safely, proactively and with quality and minimizing the down time.
- Monitor the equipment performance by following up all the reports which is displaying the performance and predicting any issues / challenges may happen in the future.

## 4. MAIN RESPONSIBILITIES

- Work as per Vale's Mission, Vision and Values and maintain Vale's code of ethics and conduct.
- Perform maintenance activities with comply to all three dimensions of Vale Production System (VPS).
- Perform any tasks following under Vale's HSE guidelines and IMS policy.
- Perform and keep up to date all the daily report/ check list.
- Participate in the budget preparation of the area and maintain the cost efficiency.
- Elaborate and evaluate indexes for management, looking at a higher reliability and lower cost.
- Monitor and analysis the area KPI and suggest the best solutions.
- Maintain the corporate assets in good state of conservation, aiming at a low-cost operation and prioritizing environment, health and safety.
- Prepare and review JSA & SOP for the activities related to the department.
- Controlling / Managing the contracts as per the guidelines & procedures of contract department.
- Evaluate & approve the technical proposal and purchase requests.
- Providing a technical advice and support to the lower level of employees and insuring a high-quality standard in maintenance activities.
- Prepare maintenance activity procedures and follow up the implementation as per health and safety policies and procedures.
- Participate in the planning of the maintenance activities and the annual stoppages.
- Develop new materials and technologies for maintenance activities and equipment.
- Monitor & review the maintenance plan according to the historical data and the availability, MTBF and the productivity of the equipment.
- Ensuring operation and maintenance activity is done as per the manufacture recommendation.
- Support Engineering & Safety team in the safety & environmental incidents / accidents investigation.
- Make sure that the maintenance activity has been executed as per the maintenance plan in the system.
- Monitor the execution team activity to maintain a high level of quality job.
- Identify resources to develop the technical skills of the team as well as the maintenance services.
- Realize technical and economic feasibility studies for equipment and projects.
- Raise issues related to safety for Near miss, Unsafe conditions and conduct behavior dialogues during execution.
- Preparing department monthly report including the area KPI, equipment performance & availability and HSE indicators.
- Control automation maintenance activities "preventive, corrective and shutdown" for area's equipment's including repairing, replacement, inspection, commissioning, and refurbishment.
- Work with different automation asset and system, network.
- Calibration in weigh scale system.
- Review, update, and maintain the automation drawings and/or procedures.
- Support in planning area shutdown activities.
- Carry out quality inspections on jobs, provide technical advice & analyzing data.
- Update the maintenance through innovations available in the market.
- Support maintenance team in preparing the strategy of equipment maintenance and reviewing the maintenance plan based on availability, inspection & historical data.
- Discuss and solve complex problems with manufacturing companies, sub-contractors & suppliers.

- Diagnose breakdown problems and prepare a technical Report for major breakdown.



***(\*) At any time, Vale can review, at its own discretion, the job roles, and responsibilities according to its strategy.***

## **5. QUALIFICATION**

- Experience: 8-11 years in the same filled
- Formation: Degree in Automation Engineering
- Specific knowledge: English Speaking and Writing

## **6. APPROVALS**

<b>Job Occupant</b>	<b>Date</b>	<b>Direct report</b>	<b>Date</b>