

Vistari SEZ Limited - Job description

Job details	
Job title: Machine Operator - Boiler Operations	Line Manager title: Supervisor - Utilities
Department: Technical Services	Location: Eldoret, Kenya
Direct reports	
None	
Job summary	
The Machine Operator - Boiler Operations operates, monitors, and maintains steam boiler systems to ensure continuous, safe, and efficient steam generation for textile and garmenting production processes. The Boiler Operator supports plant operations by optimising boiler performance, minimising energy waste, and ensuring compliance with safety, environmental, and quality standards.	
Key roles and responsibilities	
Boiler Operation & Monitoring - Operate and control boilers and auxiliary equipment to maintain required steam pressure, temperature, and water levels. - Adjust burners, fuel feed systems, and valves to ensure efficient combustion and stable steam generation. - Monitor gauges, meters, and digital panels, recording operational readings in daily logs. - Detect and respond promptly to abnormal sounds, leaks, or performance changes. Maintenance & Troubleshooting - Conduct routine inspections, cleaning, and preventive maintenance on boilers, pumps, valves, and fuel systems. - Identify and correct faults in controls, feed systems, and safety devices. - Liaise with mechanics, electricians, and engineers for major repairs or overhauls. - Ensure boiler rooms and related areas are kept clean, safe, and organized at all times. Fuel & Water Management - Monitor fuel levels and manage refilling, storage, and transfer operations safely. - Perform regular tests on feedwater and boiler water, ensuring compliance with treatment specifications. - Maintain water chemistry standards to prevent scaling, corrosion, and thermal inefficiencies. - Record daily fuel consumption and calculate efficiency ratios for review. Documentation & Reporting - Maintain accurate records of steam pressure, temperature, fuel usage, and maintenance activities. - Prepare daily operational and maintenance reports for review by the Supervisor. - Report deviations, equipment malfunctions, or safety concerns promptly. - Support data collection for energy management and environmental audits. Safety, QHSE & Compliance - Operate boilers strictly in compliance with Quality, Health, Safety, and Environment (QHSE) procedures and Occupational Safety and Health (OSH) guidelines. - Use correct Personal Protective Equipment (PPE) and ensure fire safety equipment is in place and functional. - Follow emergency shutdown and fire prevention protocols during critical conditions. - Maintain the boiler area in line with 5S principles: Sort, Set in Order, Shine, Standardise, and Sustain. - Support compliance with ISO 9001 (Quality Management) and ISO 14001 (Environmental Management) standards. - Report any unsafe acts, near misses, or environmental incidents immediately. Coordination & Continuous Improvement - Coordinate with production and maintenance teams to ensure steady steam supply and energy efficiency.	

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- Suggest improvements to reduce energy consumption, downtime, and emissions.
- Participate in safety talks, technical training, and skill development programs.
- Promote teamwork, communication, and continuous learning within the utilities section.
- **Compliance with Vistari's Corporate Systems**
 - Apply the highest standards of internal controls and risk management practices and behaviours and embed a positive risk and control culture.
 - Demonstrate prudence, sound judgement, and appropriate and timely escalations in management of all types of risk (including fraud risk) applicable to the role.
 - Promote and adhere to Vistari's core values and ensure compliance with organisational policies and procedures, collective agreements, and statutory employment standards.
 - Maintain zero tolerance to bribery, fraud, and corruption, and ensure the immediate reporting of any corruption or suspect behaviour that threatens Vistari's reputation.
 - Adhere to safeguarding policies and procedures and immediately report any safeguarding concerns.
 - Any other related responsibilities that may be assigned by the Line Manager from time to time.

Academic and professional qualifications

- Boiler Operator's Certificate from a recognised institution.
- Kenya Certificate of Secondary Education (KCSE) Certificate with Mean Grade D (Plain), or equivalent secondary school certificate.
- Certificate in Computer Applications is an added advantage.

Work experience

- Minimum of two (2) years' experience operating industrial boilers in a factory or manufacturing setup.
- Knowledge of steam generation systems, combustion control, and water treatment procedures.
- Basic level proficiency in MS Office for maintenance documentation.

Technical skills and behavioural competencies

- **Boiler Operation:** Skilled in operating, monitoring, and adjusting industrial boiler systems.
- **Analytical Skills:** Able to identify performance irregularities and apply corrective actions promptly.
- **Preventive Maintenance:** Knowledge of mechanical servicing and maintenance schedules.
- **Safety Awareness:** Deep understanding of boiler safety codes and QHSE regulations.
- **Energy Efficiency:** Commitment to optimizing fuel use and minimizing emissions.
- **Attention to Detail:** Accuracy in monitoring and recording operational data.
- **Teamwork:** Works collaboratively with engineering and production personnel.
- **Problem Solving:** Quick response to system failures or abnormal readings.
- **Discipline & Integrity:** Reliable, safety-conscious, and accountable in daily operations.
- **Adaptability:** Ability to work under pressure and adjust to changing priorities.
- **Values and work ethic:** High integrity, ethical judgment, results-driven approach, and commitment to accountability.

Sign off

Job holder name:	Signature:	Date:
Line Manager name:	Signature:	Date:
Secondary Reviewer name:	Signature:	Date: