

1. JOB DETAILS:	
Position Title:	Control Room Operator – MIPCO
Reports to:	Shift Manager – MIPCO
Direct Reports:	
Indirect Reports:	Maintenance Technicians
Department:	Operations
Location	Mirfa International Power & Water Company (MIPCO), Mirfa, Abu Dhabi, United Arab Emirates
Email	recruitment@mipco.ae

2. JOB PURPOSE:
<ul style="list-style-type: none"> ○ Control room operator (CRO) role is part of critical position to operate the power and water plant safely and efficiently in order to achieve commercial targets within the strict environmental and contractual limits; ○ To operate and maintain the facility outside the control room, optimizing plant performance through established procedures; ○ To maintain and calibrate all facility instrumentation and control systems including all analogue and digital systems.

3. KEY ACCOUNTABILITIES:
<p>Health & Safety:</p> <ul style="list-style-type: none"> • Applies all HSE Policies and Procedures and continually strives to improve all aspects of HSE Performance; • Ensures compliance with Labour Safety Legislation; • Monitors contractors' compliance with the Site Safety Rules and Procedures and the safety of contractor tools; • Monitors environmental performance of contractors; • Responsible to immediate Supervisor ensuring compliance with the facility's Environmental Compliance Program taking all reasonable precautions to prevent incidents of non-compliance personally or on the part of others. Shall further be responsible to immediately report to Supervisor any known or suspected violations to the Environmental Program or any suspected situation that could lead to a violation; • Performs the role of a Designated Person/Issuer/Acceptor through the application of the Company Safety Rules. Ensures effective implementation of safety rules on a shift by shift basis. • Responsible for knowing and following the Plant Safety Procedures and reporting any unsafe conditions or acts to the Supervisor or Management. <p>Operations:</p> <ul style="list-style-type: none"> • Takes necessary action in emergency operation situations such as total blackouts, black start islanding and synchronisation of the emergency diesel generator;

- Demonstrates the consistent use of Root Cause Failure Analysis Techniques when solving plant abnormalities and equipment failure;
- Demonstrates procedural compliance in all plant operation activities by operating plant equipment through established valve line-ups and system/component operating procedures;
- Performs the role of OSC (On scene commander) during the Emergency circumstances.
- Conducts predictive maintenance while on shift i.e. vibration analysis, thermography, lube oil sampling for analysis and component inspections;
- Operates equipment and performs repairs as needed, maintaining plant equipment at the highest possible standard maximising availability, reliability, efficiency and profitability;
- Cross-references a piping and instrument drawing with a process control diagram associated with respective systems;
- Operates facility equipment through analogue and digital control equipment from local control stations;
- Carries out labour functions such as: sludge settling tests, routine cleaning and calibration, equipment inspections and cleaning, filter press cleaning, drum dryer cleaning, evaporator and vapour compressor cleaning, daily change outs of dumpsters either the filter press and/or drum dryer, daily unloading and cleaning of the filter press, sharpening and maintaining the drum dryer knife blades, manually mixes sludge when required;
- Carries out weekly PM's such as equipment oil level checks, greasing of the drum dryer and filter press;
- Calibrates, repairs and maintains all instrumentation and control equipment, including the Distributed Control System (DCS);
- Troubleshoots and repairs controls and systems as required, to maintain facility output. Must be well versed in a wide variety of specialty tools and diagnostic equipment;
- Modifies instrumentation, as required to maintain facility's operating status;
- Performs the housekeeping functions and equipment cleaning necessary to maintain the facility in a clean and neat condition.

4. HEALTH & SAFETY:

- The Job Holder will be based at MIPCO Power and Desalination Plant
- The Job Holder will work in a controlled hazardous environment.

Work Levels and Conditions and Risks:

- **Work Level 1:** the tasks that he/she performs as part of their daily work activities do not represent a risk for their integrity;
- **Work Level 2:** the tasks that he/she performs as part of their daily work activities represent a risk for their physical integrity (e.g. working in zones with high temperatures or with permanent increased noise levels);

- **Work Level 3**: the tasks that he/she performs as part of their daily work activities represent a risk of medium kind and with temporary consequences like blows, falls, etc.;
- **Work Level 4**: the tasks that he/she performs as part of their daily work activities represent a risk of accidents of medium kind that can generate permanent consequences (burns, mutilations, irreversible wounds);
- **Work Level 5**: the tasks that he/she performs as part of their daily work activities represent risks and are controlled by means of procedures, supervision, safety devices and HSE Teams in such a way that its non-observance that could lead to a serious accident of even death.
- **Work Level 6**: the tasks that he/she performs as part of their daily work activities represent a high risk for their physical integrity. This job is classified according to International Safety Regulations as a “high risk” level job.

Exposure to Risks:

- Traffic/automobile accidents, ergonomic problems and accidents;
- Risks inherent to the job of the CRO while performing inspections, site visits, operations and maintenance activities, etc.

Personal Protective Equipment:

- Hard hat/safety helmet;
- Ear protection (plugs or ear muffs);
- Safety glasses;
- Safety shoes;
- Dust mask;
- Cotton coveralls;
- Safety Gloves;
- Cotton vest;
- Respiratory mask.

Recommended HPE (Health Protection Equipment):

- Ergonomic keyboard – to prevent Carpal Tunnel Syndrome;
- Hands-free kit for mobile/GSM inside the vehicle – to prevent traffic accidents.

Purpose:

- Avoiding exposure to forced wrist movements in gooseneck lamp – extension inducing the Carpal Tunnel Syndrome;
- Avoiding distraction for the vehicle Driver whilst handling the mobile/GSM whilst driving.

Medical Exams/Laboratory Exams before Taking the Position:

- *Complete medical physical examination;*
- *Visual acuity examination.*

RECOMMENDED FOR PERSONS OLDER THAN 45 YEARS:

- Laboratory tests: complete blood biometrics, blood chemistry: 3 elements (glucose, urea and creatine) and a general exam of urine;
- Electrocardiogram;
- X-ray PA of thorax.

Medical Criteria for the Position:

- High Blood Pressure: not to present a TA greater than 135/85 in case of present alteration and individual monitoring program;
- Obesity: in case of obesity, implement a monitoring and reduction of weight program.

5. JOB CONTEXT:

The Job Holder:

- Works in the power and desalination plant under the supervision of the Shift Manager;
- Actions routine operational tasks in order to enable safe, high-quality shift outcomes and executes tasks under the instructions of his Line Manager;
- Is required to understand and promptly act upon oral operational instructions, respond effectively in pressure situations, makes quick decisions in the event of breakdown or failure to safeguard the Plant, manage stress, coordinate and follow up on maintenance activities, ensuring high levels of safety and compliance with procedures;
- Is expected to cross train across different areas of the business as required by local management. He is expected to develop and assist in different domains as part of his growth and provide the employer with effective utilization of labour as per local requirements;
- Performs all duties and responsibilities assigned by his/her Line Manager, but not specifically stated in this description.

6. PROBLEM SOLVING:

- The thinking environment is characterized by diverse, Standardized Operating Procedures;
- The Job Holder must consider how problems will be solved. The focus is on operational problems which are solved by applying Standard Operating Procedures, learned techniques, engineering skills, operational experience, initiative and judgment.

7. COMMUNICATION AND WORKING RELATIONSHIPS:

The Job Holder will work and communicate with:

- **Internal:** Control Room Operators, Shift Engineers, Operations Managers, Maintenance Technicians and Engineers.
- **External:** Operational Staff of Contractors.

8. FRAMEWORKS, BOUNDARIES AND DECISION-MAKING AUTHORITY:

- The job holder makes decisions within clearly defined parameters and under the guidance of the Shift Manager;
- The job holder makes decisions in line with company objectives and objectives of the Operations Department;
- The job holder is able to draw resources from the Operations Team.

9. JOB DIMENSIONS:

Number of staff supervised:	Number of Direct Reports:	
	Position titles of Direct Reports:	
	Positions that report indirectly to this role:	
Budget	Accountable for:	

10. QUALIFICATIONS, EXPERIENCE AND SKILLS:

Essential Qualifications:

- Bachelor Degree or Higher Diploma ;
- Technical/Trade School Qualification
- Professional Training on a Combined Cycle Plant is preferred.

Experience:

- At least 5 years' experience in a similar position;
- 3 years field experience in Power Plant Operations and Maintenance is preferable;
- Hands-on experience with troubleshooting/repair and performing preventative maintenance on electrical control circuits, motors, transformers and high voltage breakers;
- Experience on maintenance pumps, compressors, turbines and generators, etc.;
- Experience with machine coupling alignment, piping and valve installation, with the effective use of diagnostic equipment and Distributed Control Systems;
- Experience with electrical equipment, motors, transformers, high voltage breaker maintenance and testing, etc.

Skills:

- **Communication: English is essential:** excellent communication skills both written and verbal;
- **Must be flexible:** willing to work long hours, weekends and be on call if required (periodically);
- **Computer literate;**
- Arabic is an advantage;
- Must be a strong team player and have excellent organization skills;
- A proactive and flexible approach to all challenges is required;
- Working knowledge of Environmental Regulations as they pertain to the operations and maintenance of an energy generating facility;
- Knowledge of the kinds and types of equipment installed derived through a combination of hands-on experience and formal training performed in the manufacturer's factory and/or at the job site;

- Demonstrates skills in the use of tools, test equipment and calibration appliances;
- Ability to visually read and respond to computer generated data, instrumentation, gauges, readouts and variations in color;
- Working knowledge of Environmental Regulations as they pertain to the operations and maintenance of an energy generating facility;
- Must be able to perform First Aid and CPR.

11. GENERAL RESPONSIBILITIES:

- Adheres to MIPCO's Policy: train and empower the locals, identify the leaders and put them in line for the future;
- Responsible for one's own Health and Safety and that of his/her colleagues in accordance with the Health and Safety Policies & Procedures of the Company;
- Lives the values of MIPCO;
- Promotes open, honest and positive communication;
- Respects each other as well as the cultural diversity within MIPCO;
- Maintain the high standard of MIPCO;
- Promote and instill cooperation and leadership;
- Share information and knowledge;
- Take ownership;
- Undertakes such other duties as may be expected within reason.