

**107300-ELE-1OS-E-2009**  
**Field & Control Room Operator**

Holds a B. Sc. in Electrical Engineering and a Postgraduate Diploma of power stations and networks. Has over years hands-on experience working in installation, commissioning, operation as a Field and Control Room Operator.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 29/03/1986  
Gender : Male  
Marital Status : Married  
Residence : Mahmoudia

## EDUCATION

: B. Sc. in Electrical Engineering, Kafr El-Sheikh University, 2009  
: Postgraduate Diploma of power stations and networks, Kafr El-Sheikh University, 2017

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

## TRAINING COURSES AND CERTIFICATIONS

: MHI gas turbines (components, operations, start-up, shut down) (2011).  
: Ansaldo Energia steam turbine (components, operations, start-up, shutdown) (2013).  
: Water treatment system (2018).  
: Fire alarm system, fire fighting system (2019).  
: Electrical distribution course (2019).  
: Areva main and auxiliary transformer (2019).  
: HRSG (NEM) (start- up, shutdown, trip, normal, abnormal operation) (2017).  
: Circuit breaker & switch gear & load center (Schneider Electric) (2018).

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From 2012 till now  
**Employer** : MDEPC  
**Project** : EL-ATF Combined Cycle Power Plant 750MW  
(Mitsubishi gas turbine M701F (2x250MW) with related auxiliaries, Ansaldo Energia steam turbine (1x250MW) with related auxiliaries, Siemens gas insulated switch gear 8DN9 245KV)  
**Job titles** : Field Operator & Control Room Operator for MHI gas turbine, Ansaldo Energia steam turbine, HRSG (NEM), DCS Operator

**Dates** : From Jun. 2010 til 2012  
**Employer** : MDEPC  
**Project** : EL-ATF Combined Cycle Power Plant 750MW  
**Job title** : Control Room Operator at GIS (gas insulated switch gear, Siemens, 220KV, SF6 circuit breaker)

**Field of experience** :

- Operate controls to start up and shut down gas turbines, heat recovery steam generators and synchronize generators to the grid.
- Respond to system alarms and makes necessary adjustments.
- Monitor and control the operation of HRSG, steam turbines, generators, combustion turbines and auxiliary equipment to produce electricity.
- Lock-out and tag-out systems and equipment to perform maintenance.
- Kept all equipment in optimum operating condition.
- Performing routine checks of equipments.
- Isolate and prepare equipments for maintenance.
- Day to day coordination with Maintenance sections for preparing and execution of preventive maintenance schedule of equipments.
- Make plant rounds to check and record status of equipment (process pressures and temperatures, oil levels, bearing temperatures, etc.).
- Ability to handled with 6KV switch gear, 400V MCC Rack in & out of circuit breaker, main & auxiliary transformer, Emergency Diesel generator, Fire Diesel generator, UPS, fire fighting systems).
- Knowledge and ability to adjust controls to generate specified electrical power and/or to regulate the flow of power between power generating station and line-end destination control and maintain auxiliary equipment, such as pumps, fans, compressors, condensers, feed-water heaters/coolers, filters, to supply water, fuel, lubricants, air and auxiliary power.
- Operate or control power generating equipment including diesel engines, generators, medium-voltage switch gear, using control boards or semi-automatic equipment place standby emergency electrical generators on line in emergencies and monitor the temperature, output and lubrication of the system.
- Review Daily plant records.
- Perform a proper start-up and shutdown of plant machinery and equipments.
- Troubleshoot to determine the causes of unusual or improper conditions; evaluate the situation and initiates corrective actions to prevent recurrence of improper operation or equipment failure.

- Ability to efficiently operate distributed control system (DCS) to control boilers, steam turbine and their ancillary equipment.
- Issue and cancel work permits in the capacity of senior Authorized person.
- Issuing work requests for defected equipments and any improper operation safely and properly.
- Check equipment and indicators to detect evidence of operating problems.
- Start or stop generators, auxiliary pumping equipment, engines and other power plant equipment and connect or disconnect equipment from circuits.
- Receive outage calls and call in necessary personnel during power outages and emergencies.
- Control generator output to match the phase, frequency and voltage of electricity supplied to switch gear.
- Record and compile operational data, completing and maintaining forms, logs and reports.
- Inspect records and log book entries, and communicate with other plant personnel in order to assess equipment operating status.
- Read charts, meters and gauges to monitor voltage and electricity flows.
- To write operation procedures, periodic tests and all other documents.
- Control operations of station systems including but not limited to: steam generation, condensate feed water, turbine/generator, circulating water, service water, fuel handling, electrical, fire protections and various computer networks.
- Understand and train other operators on the operating principles of the power facility's systems, components and steam cycles.
- Read and interpret meters, gauges, recorders and annunciators to determine system operating conditions; take action within prescribed normal and emergency station operating procedures.
- Adjust and monitor temperatures, pressures, flow and levels on station primary system components of plant optimization.
- Monitor operability of fire protection systems, emergency backup equipment, electrical supply equipment and instrumentation associated with station systems and components.
- Take readings from meters and gauges at established intervals establish base-line operational records for assigned shift.
- Accurately reading and recording data and reporting equipment malfunction or trends, which indicate possible equipment danger.
- Identifying and correcting abnormal operating conditions or emergency situations.
- Ability to read blueprints, P&IDs and understand schematic specification and vendor technical manuals.
- Initiate and conduct periodic surveillance tests on station operating conditions, take action within prescribed normal, abnormal and emergency station operating procedures.
- Maintain required logs and calculations; observe these logs for indication of faulty operation; notify supervisor of abnormal system conditions.
- Properly use and care for personal protective equipment.
- Read and comprehend various measuring devices, instructions, books and operation Manuals.