105696-MEC-1OS-E-2012
Shift Charge Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 10 years experience working in operation, commissioning and start-up.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	21/07/1990
Gender	:	Male
Marital Status	:	Married
Residence	:	Suez

EDUCATION

: B. Sc. in Mechanical Power Engineering, Benha University, 2012

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Turbo machinery course.
: AutoCAD 2D
: Matlab Programming.
: Water treatment – vibration course (East Delta Electricity Production Company).
: MPIS (East Delta Electricity Production Company).
: Protection instruments (East Delta Electricity Production Company).
: Desalinated (RO) plants and demineralization systems.
: Piping welding inspection.
: Training at Miteto and Unidro at UAE (Jan./Feb. 2016): Polisher system and water treatment.
: Operation and maintenance for sub-critical boilers, AC BOILERS at ITALY, MILANO (Sep./Oct. 2017).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2012 till now

Employer : East Delta Electricity Production Co.

Projects :
- Ain Sokhna Supercritical Power Plant
- Suez Thermal Power Plant subcritical boiler

Job title : Shift Charge Engineer

Job Description :
- Work in commissioning, start-up and operation in Ain Sokhna Supercritical boiler (drum-less) power plant (2x650MW) & (500KV) and same in subcritical boilers.
- Monitoring the performance of operation to ensure optimum delivery from the plant.
- Perform the functions of a control room operator on the unit.
- Responsible for safe & reliable operations of the unit.
- Responsible for monitoring performance to identify operating characteristics and taking necessary actions to prevent failure to optimize reliable and maximum efficiency to the plant.
- Perform repair and preventative maintenance when assigned to insure the safe and reliable functioning of the equipment.
- Review the final issues about P&ID, data sheets and logics according to project modifications and standards.
- Supervise flushing, chemical cleaning tests and hydro tests - Commissioning for:
  - Water and steam cycle.
  - Air and exhaust system.
  - Natural gas leak tests and heavy oil firing systems.
  - Supervising water coming from tanks to the closed cycle and ensure safe start-up for all rotating equipment and water analysis should be within requirement allowable.
  - Steam blowing and follow runback tests and house load and load rejections.
- Check all process and equipment all the shift and send reports if unusual things already exist like vibrations or hammering or leakages to maintenance authorities.
- Safely operate supercritical boiler, turbine, auxiliaries and a small gas turbine unit start-up and shut down.
- Very good background of P&ID, logic diagram, function description and operation philosophy.
- Trainings in operation, commissioning and maintenance by PGESCO Americans instructors.
- Attend constructions and commissioning and normal operation at sub-critical (drum unit) Suez Thermal Power Plant (1x650MW) & (500KV).
- Check all equipment as field engineer according to drawings and P&ID.
- Inspecting products and processes, conducting tests and collecting data.
- Preparing the operation instructions procedures.
- Planning for outage activities.
- Supervising the outage and maintenance activities.
- Preparing and coaching training programs.

Field of experience :
- Over 10 years' experience in commissioning and normal operation, start-up and troubleshooting operation in power plants and water treatment.

- 5 years start-up and shut down and commissioning in Ain Sokhna Supercritical Power Plant and 5 years in Suez Thermal Power Plant subcritical boiler as a Field Engineer and Desk Operator.
- Witness inspection with lot of multinational companies through commissioning and start-up, shut down and maintenance like Doosan, Hitachi, Ansaldo Caldaie, Mitsubishi and Alstom.
- Excellent background about pumps, power stations, combustion engines, turbo machines, AutoCAD, air conditioning, firefighting, heat transfer and fluid mechanics physics.