101508-MEC-O-E-2002
Mechanical Operation Engineer

Holds a B. Sc. in Mechanical Power Engineering and a Master of Engineering in performance of thermal power plant. Has about 10 years hands-on experience working as Operation Engineer.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	28/05/1979
Marital Status	:	Married

EDUCATION

: B. Sc. in Mechanical Power Engineering, 2002
: Master of Engineering in performance of thermal power plant, 2011

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Operation of thermal power plants.
: Commissioning and performance of thermal power plants.
: Training in ABB Company in Italy (Sep. 2011).
: Summer training at Thermal Power Station (Damanhour), 2001.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2003 till now

Project : Damanhour Thermal Power Station (300MW)

Job titles :
- Shift Engineer (from Nov. 2008 till now)
- Operation Engineer (from Apr. 2003 till Nov. 2008)

Job Description :
- Boiler: BABCOCK WILCOX natural circulation boiler (1050 ton/h – 165 bar – 540C°):
  - Boiler including - Economizer coils, Primary supper heater coils, Secondary supper heater coils, Reheat coils, Drum, two forced draft fans (2350KW).

  - Two gas recalculating fan (760KW), two air heaters, two steam heaters, Furnace (16 Burners), Fuel (Light oil & heavy oil and natural gas), Re-boiler steam for heating heavy fuel oil.
- Turbine: ANSALDO turbine 325MW:
  - Thermal cycle including six closed heater, one open heater, two condensate pumps 760 KW, two electric feed water pump (216 bar – 650 ton/h), one turbine feed water pump (216 bar – 1200 ton/h).
  - Three condense cooling water pumps (1250 KW).
- Demineralization Plant.
- Waste Water Treatment Plant.
- Sewage System.
- Fuel Oil Treatment Plant.
- FIRE ALARM SYSTEM.
- Generator: Rating power 422 KVA, Armature voltage 22 K, Armature current 11073 A, Frequency 50 H, Power factor, 0.8Operating speed 3000 RPM, Winding connection Y, Field voltage static excitation, Cooling by Hydrogen – Stator cooling water system.
- Cold start-up, hot start-up and shut down to the unit.
- Protection of all equipments at emergency cases.
- Plant operation (monitoring and supervising of all equipments to ensure good operation according to system specifications and economical measures).
- Preparation of shift reports.