101122-MEC-O-E-2004
Mechanical Operation Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 6 years hands-on experience in operation of Sidi Krir Power Plant.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	12/09/1981
Marital Status	:	Married

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2004

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Visual Basic
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Training at Yokogawa Middle East B.S.C. – BAHRAIN – on CS3000 Fundamentals for Operation (Jan./Feb. 2010).

: Business Skills Acquisition (BBSA) sponsored by the Future Generation Foundation (FGF), Alexandria:

- Developing language and computer skills.
- Enhanced presentation & project development skills.
- Acquiring basic business skills including: marketing, sales, banking, accounting, business correspondence and report writing.

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Oct. 2006 till now
Project	:	Sidi Krir Steam Power Plant (2x320MW) & Combined Cycle (750MW)
Job title	:	DCS Operation Engineer

Job Description :

- For Steam Power Plant:
  - Plant auxiliaries operation processes:
    - Boiler feed water system including Turbine and electrical driven pumps and feed water heaters, Circulate water system, Service water system, Condensate water system, closed cycle cooling water system and Air compressors system.
  - Operation of steam turbine (SIEMENS):
    - Safe start-up and shutdown procedures considering turbine stress restrictions evaluation and its auxiliaries.
  - Operation of HP Boiler (Babcock & Wilcox):
    - Safe start-up & shut down (gas & mazout firing) of 1032 t/hr capacity and all its axillaries (air heater, forced draft fans, reboiler, soot blower system).
  - Operation of MSF Desalination Plant of 5000 t/day capacity.
- For Gas Power Plant:
  - Following the construction of the two gas turbine (Mitsubishi heavy industries) units (250MW) as witness.
  - Make proposals to facilitate the operation of units.
  - Following the start-up procedure for all equipments (heat run - oil flushing - circulation) for all systems (for example: Lube Oil, Control Oil, Seal Oil, etc.) as witness.
  - Leak test for the Gas & Steam Generator & first filling with Hydrogen as witness.
  - Following the construction, flushing & start-up for gas turbine auxiliaries (for example: Closed cooling, service water, instrument air, service air, etc.) as witness.
  - Following the construction & filling for Gas Compressors (3 gas compressors – 1 for each unit & 1 is standby) as witness.
  - Start-up & commissioning for Gas Turbine unit (2x250MW) including first firing & first synchronizing).
  - Make all tests for Gas turbine (for example: Load Runback, Load Rejection, House Load, etc.).
  - Following the heat run & check rotation & circulation for all plant auxiliaries (circulate water pumps – service water pumps – closed cooling pumps – condensate pumps, etc.).
  - Following the construction of the steam turbine piping & HRSG piping & herbs.
  - Making the steam blowing test for the HRSG (heat recovery steam generator).
  - Following the 1st time steam turbine (Ansaldo Energia) rolling up and synchronizing to grad (250 MW).