101763-MEC-M-E-2007
Mechanical Maintenance Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 5 years hands-on experience in maintenance field.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	17/01/1984
Gender	:	Male
Marital Status	:	Married
Residence	:	El-Matrya

EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2007

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
AutoCAD 2D
Empac applications
Matlab

TRAINING COURSES AND CERTIFICATIONS

: Summer trainings at:
- Egyptian Iron and Steel Company in Helwan (Jul./Aug. 2005).
- El-Kureimat Power Station in El-Saff, Giza (Jul./Aug. 2006).

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Nov. 2007 till now
Project	:	El-Kureimat Steam Power Station (2x627MW)
Job title	:	Mechanical Maintenance Engineer
Job Description	:	• Installation, start-up and commissioning of mechanical static and rotating equipment. • Troubleshooting and preparing all required spare parts and equipments according to technical specifications and site requirements.

- Studying tenders and offers (technical and financial envelope).
- Participation and planning for turbine generator overhaul maintenance.
- Carrying out daily and overall maintenance for a lot of mechanical equipments such as:
  - Steam Turbines:
    - Carrying out overall maintenance for the 2 main steam turbines GE (627MW) which included:
      - Bearing clearance also check pinch, tilt & twist for bearings and readjust them.
      - Check coupling alignment and change bearing shims as required.
      - Meaure rotor runout & differential runouts.
      - Check diaphragm alignment with rotor and adjust them and readjust them.
      - Measure clearances for all turbine stages (radial and axial) and readjust them.
      - Supervising sandblasting for rotors, diaphragms, packing casings.
    - Carrying out overall maintenance for boiler feed water pump turbine GE (7.5MW).
  - Generators:
    - Carrying out overall maintenance for the 2 main generators GE (627 MW).
    - The experience gained during turbine generator over all maintenance:
      - How to dismantle stack parts & stack bolts.
      - How to make correct hanging for lift parts.
      - How to make inspection.
      - How to accurate measuring the clearance with all type of measuring tools.
      - How to keep and arrangement the dismantle parts until reassembly again.
      - How to lead technicians & distribute work between them.
  - Pumps:
    - Complete overhaul maintenance of boiler feed pump (turbine driven pump, multistage with kicker stage, 1000 ton/h, 5500 RPM stage and Flowserve pumps - Italy).
    - Complete overhaul maintenance of condensate pumps (vertical condensate water pump, 1746m3/h, 26.83 bar & 4 stage and Flowserve pumps - Italy).
    - Complete overhaul maintenance of open cooling pump (1690 M^3 / hr).
    - Complete overhaul maintenance of service water pump (1000 M^3 / hr).
    - Complete overhaul maintenance of sump pump and submersible pump.
    - Rotary pumps (vertical, multistage, centrifugal pumps).
    - Also carrying out PM & CM for all pump types (gland leakage, make-up oil & bearing replacements).
  - Centrifugal Air Compressor:
    - Complete overhaul maintenance of centrifugal air compressor.
    - Maintenance all equipment for centrifugal air compressor system.

- Heat Exchanger:
  - Maintenance shell &tube heat exchanger mechanical (cleaning all tubes).
  - Condenser maintenance (debris filters, ball cleaning system & vacuum check).
  - Maintenance plate heat exchanger.
- Valves:
  - Complete overhaul for main valve, combined reheat valve (stem Run out, make blue check. between plug and seat and inspection for cracks).
  - Maintenance (Gate, globe, butterfly, check, safety, needle, ball, etc.) valves.
- Hydrogen Plant:
  - Maintenance (cells, gasholder, compressor all pipe, all valve and dryer).
  - Overall maintenance for 2 main hydrogen compressors (reciprocating, 160 bar, water cooled & Compair, UK).

Dates : From Sep. 2007 till Nov. 2007
Employer : Sanitaire (Mechanical Contractors)
Job title : Site Engineer
Job Description : Supervising the installation works of HVAC and fire fighting systems.