

101792-MEC-18MOY-E-2005
Operation & Maintenance Engineer

Holds B. Sc. and M. Sc. in Mechanical Power Engineering. Has about 11 years hands-on experience in operation and maintenance of water station, waste water station, piping networks of drinking water.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/08/1983
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2005
: M. Sc. in Mechanical Engineering, Alexandria University, 2016

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: English: IELTS with score 5.5.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2006 till now
Employer : Behira Water and Drainage Company
Job title : Operation & Maintenance Engineer
Job Description :

- Water treatment process (surface water, sea water (RO), under ground water).
- Carrying out Maintenance, repair, troubleshooting, overhauling and modification jobs of a wide range of rotating and static equipment as all types of Compressors, Pumps, Air blowers.
- Carrying out alignment job for all rotating equipment by using Face & Rim method and Reverse method.

- Carry out hydrostatic test for static equipment (pipelines and vessels).
- Commissioning & start-up of different types of static & rotating equipment.
- Participate in installation and commissioning start-up of the centrifugal gas compressor from GE Company (USA) in Bihera Water Company.
- Familiar with working in GE reciprocating compressor.
- Making the selection of pumps and compressors according to API standards general specifications.
- Following up maintenance programs for all machinery (pumps, compressors) in water supply and raw water units.
- Preparing technical specification of technical evaluation of process pumps for two new process units.
- Supervision of installation and erection of reciprocating gas compressor in washing station.
- Process centrifugal pumps according to API 610 for new drinking water unit.
- Centrifugal recycle gas compressor according to API 617 specification for backwash unit.
- Reciprocating gas compressors according to API 618 specification for pneumatic system.
- Positive displacement pumps according to API 674 & 675 for reciprocating pumps API 675 for controlled volume pumps and API 676 for rotary pumps.
- Centrifugal compressor air package according to API 672 (capacity 1600 m³/hr.), discharge pressure 3 bar.
- Responsible for planning, organizing, supervising and follow up the mechanical maintenance and projects activities through long term & short-term plan and coordinate the activities with other service groups and trades (Instrument & Electrical).
- Maintain and update procedure all technical and practical aspects of mechanical maintenance and refurbishment.
- Carried out technical review at modification work ensuring that such modifications are implemented in accordance with required standards.
- Preparing the required training for all mechanical technicians.

- Field of experience :**
- Knowledge in rotating equipment control philosophy (Centrifugal Compressor, Reciprocate Compressor, Pump) and their auxiliaries.
 - Knowledge in unit control panel (UCP), motor control center (MCC), direct current panel (DCP).
 - Knowledge in field devices, instruments and actuators (servo-valves, thermo elements, transmitters, etc.).
 - Ability to understand and implement technical drawings.