

102686-MEC-1MOS-S-2000

Operation / Maintenance Technician

Holds an Industrial Diploma and has about 17 years experience working in operation and maintenance at Nubaria Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/11/1982
Gender : Male
Marital Status : Single
Residence : Damanhour

EDUCATION

: Industrial Secondary Schools Diploma (Mechanical Department), 2000

TRAINING COURSES AND CERTIFICATIONS

: Training course of Industrial safety precautions.
: Training course of Definition of electrical power stations.
: Maintenance and operation for CCP.

CHRONOLOGICAL EXPERIENCE RECORD

Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Combined Cycle (3x750MW) Power Station
Job titles : Operation Shift Technician / Maintenance Technician
Job Description :

- Two modules, each module consists of:
 - Two Gas Turbines Siemens types V94.3A (2x250MW) site rating, with GT Auxiliaries (Fuel gas and Fuel oil supply systems, Lube oil system, Hydraulic System, Compressed air system, cooling system, Purge / NOX water system).
 - One Mitsubishi Steam Turbine 250MW (HP, IP, LP) turbine.
 - Two HRSG Alstom horizontal type.
- One module consists of:
 - Two Gas Turbines GE types 9FA (2x250MW).
 - One Alstom Steam Turbine 250MW (HP, IP, LP) turbine.
 - Two HRSG STF horizontal type.
- Pump House by INITEC Company (CP-118) for (Circulation & Service pump & Fire pump & Raw pump) and Closed Cooling & High / Low Feed Water Pump.
- 500KV Double Bus bar Double Breaker switchyard by HITACHI.
- 220KV Double Bus bar Single Breaker with Bus Coupler switchyard by ABB.

- Four tie transformers 500/220/12KV.
- Two 500KV OHTL.
- Eight 220KV OHTL.
- Switchgear 6.3/0.4KV by Schneider.
- Mechanical Fitter in Maintenance Dept.:
 - Make minor inspection to 4 units SIEMENS each unit two time.
 - Make hot gas inspection to 4 units SIEMENS gas turbine.
 - Make major maintenance to 4 units SIEMENS gas turbine.
 - Make major inspection to 3 units SIEMENS gas turbine after surge incident.
 - Replacing of the combustion chamber tiles (ceramic and metallic).
 - Removing and reinstalling the burners, swirls & inserts.
 - Replacing of thermo couples of burners.
 - Replacing the igniters of the burners.
 - Maintenance of blow off valves.
 - Maintenance of Bog compressors.
 - Maintenance of trash racks.
 - Maintenance of traveling screens.
 - Doing overall maintenance of burners and cleaning of swirls for the 6 gas turbines of Talkha Power Station and Nubaria Power Station.
 - Replacing of air intake filters.
 - Warranty Major Inspection for two units steam turbine at Nubaria (Mitsubishi TC2S 250MW) (May 2008 and Nov. 2010) (Removing the casing, removing the fixed vans, inspection of the rotor and inspection of the bearings). Also work for steam turbine valves remove, open, inspection and cleaning (HP STOP AND CONTROL, REHEAT STOP & CONTROL, LP STOP & CONTROL) valves.
 - The Major inspection for two units steam turbine at Nubaria (Mitsubishi TC2S 250MW) (Mar. 2016 and Nov. 2016) (Removing the casing, removing the fixed vans, inspection of the rotor and inspection of the bearings). Also work for steam turbine valves remove, open, inspection and cleaning (HP STOP AND CONTROL, REHEAT STOP & CONTROL, LP STOP & CONTROL) valves.
 - Make major inspection to 2 units GE MS9001FA gas turbine.
 - Make CI for 2 units GE MS9001FA gas turbine.
 - Doing the maintenance schedules (daily - weekly - monthly - ...etc.).
 - Maintenance of the Atlas Copco compressors of the air intake.
 - Also we did together the cold commissioning of the fuel oil for four units of Nubaria Power Station.
 - Also we did together the hot commissioning of the fuel oil for four units of Nubaria Power Station.
 - Good knowledge about the spare parts of V94.3A (2) gas turbines.
 - Good knowledge about the special tools of the V94.3A (2) gas turbines.