

104379-MEC-1OS-E-2014
Operation, Commissioning & Start-up Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 3 years hands-on experience working in operation, commissioning and start-up at Assiut Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/01/1991
Gender : Male
Marital Status : Single
Residence : Assiut

EDUCATION

: B. Sc. in Mechanical Power Engineering, Assiut University, 2014

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Practice summer training in Assiut Power Station (Jul. 2012).
: Practice summer training in Assiut Oil Refining Co. (Aug. 2013).
: Operation and Maintenance course of gas turbine power plants at training sector of Upper Egypt Electricity Production Company (Jan./Feb. 2016).
: Steam turbine operation training by GE Instructor (Jan. 2018).
: Combined cycle operation training by GE Instructor (Feb. 2018).
: Steam turbine maintenance training by GE Instructor (Mar. 2018).
: Hyosung feed water pump and condensate pump training of Assiut Combined Power Plant.
: Advanced training course on Coelmo Generating sets and SICES DST4602 control panels.
: Solid Works 2008 at Mechanical Engineering Department.
: MS Excel 2007
: IC3 (Computing Concept - Microsoft Office - Internet).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2017 till now

Job Description :

- Follow up combined cycle tests, commissioning and start-up for Assiut Combined Add-On project "Owner Representative".
- 2 Block x 4 HRSGs, vertical gas flow (Manufactured by DOOSAN).
- 2x250MW GE Steam turbines frame D-200.
- Daily follow up commissioning activities.
- Follow up equipment test programs.
- Systems walk down and function tests.
- HRSG hydrostatic test and chemical cleaning procedure.
- Closed cooling and condensate systems flushing.
- Lube oil and hydraulic oil flushing.
- HRSG and BOP systems line up.
- Experienced steam blow and ACC hot cleaning with GE Commissioning operation team, following the site activities and the operation from the DCS.
- Steam turbine D-200 first rolling and turbine tests include load rejection test, overspeed test and turbine valves tests.
- Follow-up the modifications of the logic for the heat recovery steam generators HRSGs, condensate system, feed water system and the air cooled condenser with GE commissioning team to work around the problems that appeared during the trial run and tests of steam units.

Dates : From Jan. 2016 till Nov. 2017

Employer : Upper Egypt Electricity Production Co. (UEEPC)

Project : West Assiut Simple Cycle Power Plant 1000MW

Job title : Operation & Field Engineer

Job Description :

- GE Gas turbines (8x125MW) frame MS9001E, MARK VIE control system.
- Safe start-up & shutdown for the units and its auxiliaries from the PEECC and control room to confront the loads in Coordination with the National Control.
- Taking the readings of the units and follow-up of the units during operation and maintenance.
- Inform the various maintenance about the daily faults that occur for equipment and the auxiliaries which including the online and offline tests of the black start diesel generator.
- Implementation of daily, weekly and monthly tests of major equipment and auxiliaries.
- Control Field and board operations which includes Essential works for start-up, rolling, shutdown, in addition, manage the loop of the work orders required through the site action tracker program in the gas power plant 8x125MW.
- Testing and changing-over for all equipment locally and from control room.
- Work on MV and LV switchgears in addition to the BOP systems, fire fighting system, Atlas Copco instrument and service air system.
- Perform online and offline Compressor water wash.
- Gas turbine's combustion inspection procedure.

- Connect and disconnect the transformers and circuits from GIS.
- Taking responsibility for the Health and Safety of staff and contractors during the 12-hour shift and associated environmental impacts.
- Manage and monitor the plant and operating personnel and take necessary actions to insure operation within all dispatch parameters.
- Capable of performing all control room operating functions and roving field duties.
- Perform safe isolations for permit to work (LOTO).

Further experiences : Work with the GE operation and commissioning team during steam units' reliability run. Operation & Field experience:

- Safe start-up and shutdown procedures for the steam turbine and its systems.
- HRSGs start-up and shutdown from the DCS.
- Operate the BOP systems, start-up and shutdown for closed cooling system, condensate system, air-cooled condenser ACC including the vacuum system, demi-water and service water systems.
- To be responsible for monitoring and ensuring the efficient operation of the equipment, handing over to the incoming shift in a systematic and orderly manner.
- To prepare and hand over equipment in a safe manner to maintenance staff for repair and take back in service after checks as per maintenance.
- To provide reliable and accurate information on plant condition and status to the shift charge controller, for planning product movement, maintenance activities, laboratory analysis and daily management reports.
- Smoothly and swiftly identify abnormalities.
- Appropriate records and documents.
- To handle emergency incidents (Fire, Gas leak, Plant shutdowns, etc.) and ensure emergency plans and procedures are adhered to.
- HRSGs, ACC and main steam systems preservation procedure during short and long shutdown periods.