

100314-MEC-1CHMOSY-E-2001

Turbine Maintenance Manager

Holds a B. Sc. in Mechanical Engineering and has about 17 years hands-on experience in fossil power generating stations and Housing projects start from construction till Turnover packages, Commissioning activities start-up, reliability tests, Performance test, until commercial operation and maintenance.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/04/1980
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2001

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : Professional training on maintenance for 250MW STG at Mitsubishi Heavy Industry Company, Japan (Jun. 2006)
- : Professional training on maintenance of SIEMENS 250MW Combustion Turbine Generator, Germany (Dec. 2005).
- : Professional training on STG maintenance training Mitsubishi Company, Egypt (Aug. 2006).
- : Professional training on traveling water screen system maintenance INITEC / TRANOS Company, Egypt (Apr. 2006).
- : Professional training on air compressor system maintenance INITEC / COMPAIR Company, Egypt (Aug. 2006).
- : Professional training on hydrogen and oxygen gas plant maintenance INITEC / STUART ENERGY Company (Apr. 2006).
- : Training Course in STG Operation at ABU QIR Training Center.

: Training Course in EMPAC Program for operation and maintenance plant at ABU QIR Training Center.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2016 till now
Employer : Middle Delta Electricity Production Company
Project : Nubaria Combined Cycle Power Plant (Module III (1x750MW)), the module contain two 9FA CTG 2x250MW manufactured by GE Energy, two HRSG manufactured by STF and one 250MW STG manufactured by ALSTOM)
Job title : Turbine Maintenance Manager (Module 3)
Job Description :

- Lead and supervise team from nine mechanical maintenance engineers and providing expertise to them (more than 40 technician and labor reported to me).
- Follow up all plant Turbines (Gas & Steam) maintenance activities on (daily, weekly, monthly & annually) basis.
- Supervising & Scheduling Mechanical Maintenance for Turbine Auxiliaries (preventive & predictive maintenance, troubleshooting & overhauling).
- Preparation of spare part lists (Capitals & Consumables) and tools required for overhaul maintenance and inspection.
- Supervise all activities for Combustion, hot gas path and Major inspections for gas turbines and give technical advises for my crew till reoperation.
- Coordinate with other departments for common maintenance activities (I&C, Electrical, ...etc.) and take the remedy actions.
- Attend weekly troubleshooting meetings.

Dates : From Jan. 2012 till Nov. 2016
Employer : Arabian BEMCO Contracting Company LTD (KSA)
Job title : Senior Mechanical Engineer (Main Contractor)
Job Description :

- Jazan Integrated Gasification Combined Cycle (JIGCC) Package 5 (Apr. 2016 – Nov. 2016):
 - Electro-Mechanical Construction Manager; supervise all Electro-mechanical activities (Underground GRP pipes DN Up to 160 inches, HVAC for Accessory buildings, Plumbing, Electrical).
 - Give technical support for the construction team to meet the contract specifications and requirement as per ARAMCO Standards.
 - Coordinate all installation activities with sub-contractors.
 - Supervise preparation of Material take-off for electromechanical systems and revise it with project team.
 - Prepare weekly and daily progress reports for all Site activities.
- Saudi Arabia National Guard Housing Project (Al-Qassim) (Jan. 2015 – Apr. 2016):
 - Senior Mechanical Engineer; supervise all mechanical activities (HVAC, Plumbing, Sewage Treatment and Underground Piping from installation, testing and commissioning till operation).
 - Give technical support for the construction team to meet the contract specifications and requirement.

- Coordinate all installation activities with other disciplines i.e. Electrical, Civil & Architecture.
- Prepare Material take-off for Mechanical systems and revise it with project team.
- Prepare weekly progress reports for all mechanical activities.
- El-Qassim Extension III (472MW) 8x59MW gas turbines (7EA General Electric) (Jan. 2012 – Jan. 2015):
 - Lead Mechanical Commissioning Engineer; supervise all start-up activities (testing and commissioning till operation).
 - Give technical support for the construction team from time to time to meet the contract specifications and requirement.
 - Coordinate all start-up activities with other disciplines i.e. Electrical, I&C.
 - Monitor and attend all types of NDT's and Hydro tests and all Pumps and Motors alignments and all pipes systems Air blow-off and flushing.
 - Coordinate with client and Vendor technical advisor for all GT testing tasks.
 - Support client in Routine & Preventive Maintenance for all Mechanical system during reliability of the units and Warranty period.
 - Support Warranty Engineer in all claims related to mechanical systems from PAC to FAC.
 - Prepare daily and weekly reports for all mechanical start-up activities.

Dates : From May 2011 till Jan. 2012

Employer : Middle Delta Electricity Production Company (MDEPC)

Project : Nubaria Combined Cycle Power Plant (Module III, 1x750MW):
The module contains two 9FA CTG 2x250MW manufactured by GE Energy, two HRSG manufactured by STF and one 250MW STG manufactured by ALSTOM.

Job title : Head Turbine Maintenance Dept. (Module 3)

Job Description :

- Lead and supervise team from 8 mechanical maintenance engineers and providing expertise to them (more than 40 technicians and labor reported to me).
- Follow up all plant turbines (Gas & Steam) maintenance activities on daily, weekly, monthly & annually basis.
- Supervising & scheduling mechanical maintenance for turbine auxiliaries (preventive & predictive maintenance, troubleshooting & overhauling).
- Preparation of spare part lists (Capitals & Consumables) and tools required for overhaul maintenance and inspection.
- Supervise all activities for combustion inspections and hot gas path for gas turbines and give technical advises for my crew till reoperation.
- Coordinate with other departments for common maintenance activities (I&C, Electrical, etc.) and take the remedy action.
- Attend weekly troubleshooting meetings.
- Follow up store management for all remaining parts from construction period.

Dates : From Oct. 2008 till Apr. 2011
Employer : Al-Fanar Construction Company – KSA
Job title : Senior Mechanical Engineer (Main Contractor)
Job Description :

- Reinforcement of HAIL-2 Power Plant Project (2x60MW), Gas Turbines manufactured by SIEMENS Company:
 - Follow up all site mechanical construction activities.
 - Lead and supervise installation, erection, testing and commissioning of all mechanical systems (CTG – Auxiliaries – Fire fighting systems – Fuel oil treatment Plants – Piping – steel structure).
 - Reviewing and revise all submittals as per specification and scope of work and as per site conditions before submitting to consultant for approval.
 - Give technical support for the design team as per site conditions and prepare proposal for any required modification.
 - Attend mechanical activity progress meetings and make sure that site activities are in line with project schedule.
 - Monitor and attend all Types of NDT's (Non Destructive Tests).
 - Coordinate all mechanical activities with other disciplines i.e. Civil, Electrical, I&C.
 - Prepare 3 weeks schedule (Planned & Actual progress) for mechanical activities.
- New Kandarah 380/110KV BSP:
 - Lead and follow up all site mechanical construction activities.
 - Reviewing and revise all submittals as per specification and scope of work before submitting to consultant for approval.
 - Attend mechanical activity progress meetings and make sure that site activities are in line with project schedule.
 - Monitor and attend all Types of NDT's (Non Destructive Tests).
 - Supervise installation and testing and commissioning of all Mechanical Systems (HVAC – Fire alarm and detection – FM 200 – Over head traveling Cranes – Plumbing work – Cable trays).
 - Coordinate all mechanical activities with other disciplines i.e. Civil, Electrical.
 - Facilitate coordination of contractor's work with third parties.
 - Review and check As-Built drawings.

Dates : From Sep. 2005 till Oct. 2008
Employer : Middle Delta Electricity Production Company
Project : Nubaria Combined Cycle Power Plant:
 The Plant comprising 3 modules x 750MW (2250MW), two modules contains four CTG 4x250MW manufactured by Siemens, four HRSG manufactured by ALSTOM, two 2x250MW STG manufactured by MITSUBSHI. The other module contains two CTG 2x250MW manufactured by GE Energy, two HRSG manufactured by STF and one 250MW STG manufactured by ALSTOM.
Job title : Steam & Gas Turbines Construction Engineer (Team Leader)
Job Description :

- Lead and supervise team from six mechanical engineers.
- Review and evaluate bid proposals for the mechanical subcontractors and give technical solutions and corrective action in order to quality and cost efficiency of the maintenance activities. Spare parts, manpower,

technical data support.

- Follow up all site mechanical construction activities for the contracts.
- Reviewing and revise all submittals with the contracts.
- Attend mechanical activity progress meetings and make sure that site activities are in line with project schedule.
- Monitor and attend all Types of NDT's (Non Destructive Tests) & Hydrostatic Tests.
- Monitor and attend shaft alignment for CTG & STG Rotors.
- Calibration of all steam turbines control valves with main contractor.
- Review and approve MRR's (Material Receiving Reports).
- Review and approve contractors' progress invoices.
- Coordinate all mechanical activities (Mechanical Equipment and piping installation) with other disciplines i.e. Civil, Electrical.
- Review and check As-Built drawings.

Dates : From Aug. 2003 till Sep. 2005
Employer : West Delta Electricity Production Company
Project : Damanhour Thermal Power Station (3x65MW)
Job title : Steam Turbine Maintenance Engineer
Job Description :

- Supervising & scheduling mechanical maintenance for turbine auxiliaries (preventive & predictive maintenance, troubleshooting & overhauling) for Axial Flow & centrifugal pumps, travelling screen, trash rakes, valves, overhead crane.
- Leading a team of Supervisors, organizing manpower and providing process expertise to them.
- Maintaining daily maintenance report.
- Preparation of spare part lists required.
- Work the routine maintenance.
- Responsible of EMPAC Program, that can collect all information about the equipment of the units and prepare Preventive Maintenance and spare parts of item inventory and load the date to the computer.

Dates : From Nov. 2001 till Aug. 2003
Employer : West Delta Electricity Production Company
Project : Damanhour Thermal Power Station (3x65MW)
Job title : Shift Operation Engineer
Job Description :

- Monitoring power plant running conditions and customizing the performance of the whole circuits in order to deliver the required power to the electric network according to the central dispatch requirements.
- Supervising of all operation stuff (Turbines – Boilers – Control).
- Writing daily report of operation in every shift.
- Reporting work orders to the appropriate maintenance department.
- Supervising start-up and shutdown for the power station.
- Doing all the switchgears maneuverings (connecting and disconnecting breakers and bus-couplers) with the Local Distribution and Control Department.

Field of experience :

- Senior Mechanical Engineer with about 17 years experience in fossil power generating stations and Housing projects start from construction

till Turnover packages, Commissioning activities start-up, reliability tests, Performance test, until commercial operation and maintenance.

- Excellent experience in HVAC, Firefighting & Plumbing systems from construction till final commissioning.
- Follow up design progress for project and reviewing the design before submitting to consultant (to match with Project Technical Specifications and Standards).
- Evaluate inquiries for Mechanical Equipments and systems.
- Follow up with subcontractors to insure the material delivery dates to be in line with project time schedule.
- Follow up with consultant and client on daily, weekly and monthly basis.
- Follow up time schedule during all stages of project execution.
- Provide technical support and take corrective action for any deviation occurred from time to time.
- Aware with most Mechanical standards (ASTM, ASME, API, AWWA.ANSI, NFPI, AWS, NFPA, SMACNA).
- Aware with SEC (Saudi Electricity Company) Standards for Mechanical Systems.
- Certified from American Society for Non-Destructive Testing (ANST) on liquid penetration testing (PT), Level 2.