

100010-MEC-1CGMOSY-E-1980
Turbine & Auxiliaries Mechanical Specialist III

Holds a B. Sc. in Mechanical Power Engineering and a Diploma of Higher Studies of Power Station Engineering. Has about 37 years hands-on experience in Mechanical Maintenance of Turbine and its Auxiliaries (pumps, compressors, valves, heat exchangers, etc.) + Construction activities.

PERSONAL DATA

Nationality : Egyptian
Gender : Male

EDUCATION

- : B. Sc. in Mechanical Power Engineering, Cairo University, 1980
- : Diploma of Higher Studies of Power Station Engineering, Cairo University, 1991

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : C.E.G.B England (6 months) in Turbine and Auxiliaries Mechanical Maintenance (from Sep. 1988 till Feb. 1989).
- : CENTRAL METALLURGICAL RESEARCH and Development Institute – Egypt (2 months) in Welding Technology and Non-Destructive Tests (Oct./Nov. 1989).
- : Inspection and supervise the shop tests for vertical condensate & service pumps in GERMANY (10 days in Jun. 1992).
- : SIEMENS – GERMANY (1 month) Training in SIEMENS Factories (May/Jun. 1994) in the following:
 - Steam Turbine Design and Maintenance.
 - Generator Maintenance.
 - Feed Water Pumps.
 - Circulating & Condensate Pumps.
 - Turbine Overhauls.
 - Control Valve design.
- : HITACHI, LTD - Thermal Power & Hydraulic System Division (Jun./Jul. 2004): The Training was in Hitachi Training center and their factories in JAPAN in Steam Turbine Generator Maintenance.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2015 till now
Employer : PGESCo.
Project : South Helwan Supercritical Thermal Power Plant 3x650MW
Job title : Turbine & Auxiliaries Mechanical Specialist III
Job Description :

- Implement the Mechanical Construction Plan of Steam Turbine Generators and the associated auxiliaries to ensure the efficiency, quality, Safety and Performance of Construction to meet Project objectives.
- Plan, coordinate, and direct the Mechanical Constructors works (Contractors/ Subcontractors) to meet all Construction milestone dates.
- Monitor jobs to insure quality and Compliance with job standards.
- To check that the said schedule is kept to, and to promote action to recover any delay.
- To check that the equipment and Manpower employed by the contractors are adequate and that Works performed by the contractors Conform to design documents, safety Regulations, and to the Quality level Fixed by the same.
- To prepare the non-conformity Register for each Contractor and coordinate non-conformity resolution.
- To detect any design errors, and where possible rectify the same or request the engineering department to make the necessary changes.
- Assist the mechanical Construction Manager to ensure correct implementation of the project Mechanical Construction specifications and standards.
- Supervise all Personnel in assigned Trades areas, duties including planning, scheduling, organizing and directing work, training personnel, and recommending applicants for employment or for discipline, termination or retention.

Dates : From Mar. 2015 till Oct. 2015
Employer : PGESCo.
Project : IRAQ Thermal Power Plant 2x610MW + 3x350MW
Job title : Turbine & Auxiliaries Mechanical Specialist III
Job Description :

- Implement the Mechanical Construction Plan of Steam Turbine Generators and the associated auxiliaries to ensure the efficiency, quality, Safety and Performance of Construction to meet Project objectives.
- Plan, coordinate, and direct the Mechanical Constructors works (Contractors/ Subcontractors) to meet all Construction milestone dates.
- Monitor jobs to insure quality and Compliance with job standards.
- To check that the said schedule is kept to, and to promote action to recover any delay.
- To check that the equipment and Manpower employed by the contractors are adequate and that Works performed by the contractors Conform to design documents, safety Regulations, and to the Quality level Fixed by the same.
- To prepare the non-conformity Register for each Contractor and coordinate non-conformity resolution.

- To detect any design errors, and where possible rectify the same or request the engineering department to make the necessary changes.
- Assist the mechanical Construction Manager to ensure correct implementation of the project Mechanical Construction specifications and standards.
- Supervise all Personnel in assigned Trades areas, duties including planning, scheduling, organizing and directing work, training personnel, and recommending applicants for employment or for discipline, termination or retention.

Dates : From Aug. 2014 till Mar. 2015

Employer : PGESCo.

Project : SUEZ Thermal Power Plant 1x650MW

Job title : Turbine Specialist III

Job Description :

- Implement the Mechanical Construction Plan of Steam Turbine Generators and the associated auxiliaries to ensure the efficiency, quality, Safety and Performance of Construction to meet Project objectives.
- Plan, coordinate, and direct the Mechanical Constructors works (Contractors/ Subcontractors) to meet all Construction milestone dates.
- Monitor jobs to insure quality and Compliance with job standards.
- To check that the said schedule is kept to, and to promote action to recover any delay.
- To check that the equipment and Manpower employed by the contractors are adequate and that Works performed by the contractors Conform to design documents, safety Regulations, and to the Quality level Fixed by the same.
- To prepare the non-conformity Register for each Contractor and coordinate non-conformity resolution.
- To detect any design errors, and where possible rectify the same or request the engineering department to make the necessary changes.
- Assist the mechanical Construction Manager to ensure correct implementation of the project Mechanical Construction specifications and standards.
- Supervise all Personnel in assigned Trades areas, duties including planning, scheduling, organizing and directing work, training personnel, and recommending applicants for employment or for discipline, termination or retention.

Dates : From Aug. 2012 till Aug. 2014

Employer : PGESCo.

Project : GIZA NORTH COMBINED CYCLE POWER STATION 3x750MW

Job title : Turbine Specialist III

Job Description :

- Implement the Mechanical Construction Plan of Steam Turbine Generators and the associated auxiliaries to ensure the efficiency, quality, Safety and Performance of Construction to meet Project objectives.
- Plan, coordinate, and direct the Mechanical Constructors works (Contractors/ Subcontractors) to meet all Construction milestone dates.
- Monitor jobs to insure quality and Compliance with job standards.

- To check that the said schedule is kept to, and to promote action to recover any delay.
- To check that the equipment and Manpower employed by the contractors are adequate and that Works performed by the contractors Conform to design documents, safety Regulations, and to the Quality level Fixed by the same.
- To prepare the non-conformity Register for each Contractor and coordinate non-conformity resolution.
- To detect any design errors, and where possible rectify the same or request the engineering department to make the necessary changes.
- Assist the mechanical Construction Manager to ensure correct implementation of the project Mechanical Construction specifications and standards.
- Supervise all Personnel in assigned Trades areas, duties including planning, scheduling, organizing and directing work, training personnel, and recommending applicants for employment or for discipline, termination or retention.

Dates : From Jan. 2011 till Aug. 2012

Employer : PGESCO.

Project : ABU QIR Thermal Power Plant 2x650MW

Job title : Mechanical Construction Supervisor 2

Job Description :

- Implement the Mechanical Construction Plan of Steam Turbine Generators and the associated auxiliaries to ensure the efficiency, quality, Safety and Performance of Construction to meet Project objectives.
- Plan, coordinate, and direct the Mechanical Constructors works (Contractors/ Subcontractors) to meet all Construction milestone dates.
- Monitor jobs to insure quality and Compliance with job standards.
- To check that the said schedule is kept to, and to promote action to recover any delay.
- To check that the equipment and Manpower employed by the contractors are adequate and that Works performed by the contractors Conform to design documents, safety Regulations, and to the Quality level Fixed by the same.
- To prepare the non-conformity Register for each Contractor and coordinate non-conformity resolution.
- To detect any design errors, and where possible rectify the same or request the engineering department to make the necessary changes.
- Assist the mechanical Construction Manager to ensure correct implementation of the project Mechanical Construction specifications and standards.
- Supervise all Personnel in assigned Trades areas, duties including planning, scheduling, organizing and directing work, training personnel, and recommending applicants for employment or for discipline, termination or retention.

Dates : From Aug. 2008 till Jan. 2011

Employer : PGESCO.

Project : Cairo West Thermal Power Plant 2x350MW

- Job title** : Lead Mechanical Construction Engineer 2
- Job Description** :
- Coordinating the Mechanical activities works for power plant equipment such as Steam Turbine Generators and associated auxiliaries and Boilers.
 - Monitoring Mechanical Construction works for all contractors (Steam Turbine Generators & Boilers) according to Specifications, codes, and under safety precautions.
 - Implement Project Construction Quality control / assurance requirements including inspection, witness in process testing and completed installation by contractors.
 - Dealing with P & IDs and Isometrics Drawings.
 - Ensure the latest Design documents & shop drawings are being used to accomplish work.
 - Coordinate with Contractor representatives to meet project milestone dates.
 - Supervising the contractors during the plant equipment erection and assuring their commitment with the specifications by having good knowledge with installation of Turbines, Generators, pumps, heat exchangers, valves, and piping erection work.
 - Using all Project documents (Surveillance Notices, Request for Information, Field Change Notices, and material receiving Reports etc.) to meet the required Quality.
 - Preparation of punch lists and assuring the plant Systems and components match the Specifications and the Contract.
 - Verify Contracts installed Quantities.
- Dates** : From Sep. 2002 till Jul. 2008
- Employer** : Cairo Electricity Production Company
- Project** : Cairo North Power Plant Project 2x750MW – Combined Cycle Phase 1 & 2 (2x250MW Gas Turbines + 250MW Steam Turbine + 2 HRSG's)
- Job title** : Lead Mechanical Construction Engineer
- Job Description** :
- Coordinating the Mechanical Construction Activities Works for Power Plant Equipment such as Gas Turbines, associated auxiliaries, Steam Turbine and HRSG's.
 - Monitoring Mechanical Construction Works for all contractors according to specifications, Codes, and under Safety Precautions.
 - Implement Project Construction Quality Control/Assurance requirements including Inspection, witness in process testing and completed installations by Contractors.
 - Supervision and Managing of all Erection & inspection activities of under Ground and above Ground Critical & Non-Critical piping, Circulating Water Pumps, Travelling Screen, and Trash Rack.
 - Dealing with P& ID and Isometric Drawings.
 - Ensure the latest Design documents & Shop Drawings are being used to accomplish work.
 - Tracking Punch List Activities (coordinating with Contractors on items completed and ready for inspection, Punch list inputs for all disciplines to all Contractors).
 - Engineering activities such as tender specifications, bids evaluation, contracts negotiation, design review, and rehabilitation studies for power plants.

- Performing preliminary and final tests for all systems including flushing, hydrostatic tests, and pneumatic tests.

Dates : From Sep. 2001 till Aug. 2002
Employer : Cairo Electricity Production Company
Project : Cairo North Power Plant Project 750MW – Combined Cycle Phase 1
Job title : Senior Mechanical Construction Engineer
Job Description :

- Tender Specifications Studies.
- Bid Evaluation.
- Contractors Negotiation.
- Design Review.
- Bids Award.

Dates : From Sep. 1985 till Aug. 2001
Employer : Cairo Electricity Production Company
Project : Cairo West Power Station
Job title : Turbine & Associated Auxiliaries Maintenance Engineer
Job Description :

- Performed Major Overhaul for Westinghouse Three Cylinders condensing Turbines – 4 Units:
 - Overhaul for 12 Boiler Feed Pumps.
 - Overhaul for 8 Condensate Pumps.
- Maintenance Activities (Major & Minor overhauls) for:
 - Feed Water Pumps.
 - Condensate Pumps.
 - Circulating Water Pumps.
 - Air Compressors.
 - Condenser & Heat Exchangers.
 - Closed Cooling System.
 - Travelling Water Screens.
 - Seal Oil System.
 - Raw Water Pumps.
 - Lube and Control Oil System.
 - Vacuum Pumps.
- Erection of 6 Centrifugal Air Compressors (Ingersoll-Rand).
- Rehabilitation of the Pump House including:
 - 9 Circulating Water Pumps.
 - 2 Raw Water Pumps.
 - Jockey Fire Pumps.
 - 2 Travelling Screen Water Pumps.
 - 9 Travelling Screens.
- Preparing the Annual & predictive Maintenance Programs.

Dates : From Jan. 1981 till Aug. 1985
Employer : Egypt Electricity Authority – Cairo Zone
Project : Cairo West Power Station
Job title : Operation Shift Engineer
Job Description :

- Worked as a Power Plant Operation Engineer and my responsibility were to supervise and coordinate all plant operational activities.
- Operate and monitor the plant equipment from the control and local.

- Ensure all activities are being performed in a safe manner.
- Maintain a daily activity log and maintain the work permits and safety tagging procedures.

Field of experience : About 37 years hands-on experience in Mechanical Maintenance of Turbine and its Auxiliaries (pumps, compressors, valves, heat exchangers, etc.) + Construction activities, including:

- 5 years in operation as a Shift Engineer in Cairo West Power Station.
- 16 years as Turbine & Auxiliaries Maintenance Engineer in Cairo West Power Station and I performed the following: Major overhauls for the Steam Turbines 4x87.5MW and maintenance (daily & annual) for vertical & horizontal pumps, compressors, valves, heat exchangers, ...etc. and preparing the maintenance programs, and recommended spare parts.
- 5 years as a Construction Lead Mechanical Engineer in CEPC (Ministry of Electricity) - Cairo North Project.
- More than 8 years in PGESCO as a Power Block Construction Engineer in the following projects:
 - Cairo West Project 2x350MW (Steam Mitsubishi).
 - Abu Qir Project 2x650MW (Steam Mitsubishi).
 - Giza North Project 3x750MW (GE 9FA) + (Steam Ansaldo).
 - Suez Project 1x650MW (Alstom Steam Turbine).
 - IRAQ Power Plant 2x610MW + 3x350MW (COMMISSIONING & CONSTRUCTION ACTIVITIES).
 - South Helwan Supercritical Power Plant 3x650MW.