

104002-MEC-1DMOSq-E-2001
Senior Execution / Coordination Mechanical Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 18 years experience in the Power Projects, Gas turbines, Steam turbines, HRSG's, BOP's and has a full knowledge's from Concept to Commissioning, Design & Detail Engineering; Planning & Execution; O&M of Power Plants (based on Fuel Oil / Natural Gas).

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/01/1974
Gender : Male
Marital Status : Married
Residence : Damanhour

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: MS Project
: HAP, Pipe Flow Expert, Oracle, ERP, etc.

TRAINING COURSES AND CERTIFICATIONS

: PMP Course / certificate (in progress).
: TOT for Mechanical Power Engineering, Leadership Development Center (2018).
: Operation & maintenance for simple & combined cycles washhouse GTG's training, Damanhour (2004).
: Operation & maintenance for simple & combined cycles Siemens "Basic Operation Training", Damanhour (2004).
: Operation & maintenance for simple & combined cycles Siemens "Mechanical Maintenance Training", Damanhour (2005).
: MHI Steam Turbine Company & HRSG & Steam Turbine Visits & training, Japan (Sep. 2005).

- : Hydrogen & oxygen Plant training - INITEC/STUART ENERGY Company, Nubaria (2006).
- : KSA - ACC: Oracle & ERP Training courses (2011).
- : KSA - ACC: SharePoint, PDM-Exchange, Win Plan, M-file, Aconex, etc. Training courses (2013).
- : Egypt - Nubaria: Maintenance Training on SGT5-4000F (2016).
- : Egypt - Damanhour: Vibration Analysis along with its causes Analysis (2018).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2016 till now
- Employer** : MDEPC
- Project** : Nubaria Combined Cycle (2250MW)
- Job title** : Sr. Execution / Coordination Mechanical Engineer
- Job Description** :
- Execution and coordination all major / Overhaul along with the LTE's after 100KEOH for Siemens Gas Turbines model SGT5-4000F (V94.3A) and MHI Steam turbine (TC2F-35.4) along with its related Bop's / as well Technical commercial evaluations.
 - Currently doing most of all maintenance activities for 4 GTG's & 2 ST's along with its BOP i.e. HVAC, FFPS.

- Dates** : From Jan. 2008 till Jun. 2016
- Employer** : NAJM/ACC
- Projects** :
- Duba PP Ext. 2 (KSA) 3x15MW (Siemens Manuf. Model: SGT-600) along with its BOP's
 - Tabouk PP Ext. 6 (KSA) 2x80MW (Siemens Manuf. Model: SGT6-3000E) & BOP's
 - King Khalid Ministry City (KSA) 1x15MW (GE Manuf. & BOP)
- Job title** : Mech. Project Eng. and Design Coordination for Substation Projects (Client: SEC/NG) (KSA) 132,115,110/13.8KV & 132/33KV (G#2, G#8, Shaqra, Sultana, Swadi, etc.)
- Job Description** :
- Responsible for assisting project manager in entire project mechanical activities for managing the project within stipulated time, adhering to project schedule and budget.
 - Design Co-ordination with FICHTNER/LI/APPA/Consultant & SIEMENS.
 - Involved in project engineering and project activities from pre-bid engineering stage through basic and detail engineering.
 - Perform a Technical Bid Analysis to most of all Mechanical Packages.

- Dates** : From Jun. 2010 till Dec. 2011
- Employer** : ACC/SEPCO3
- Job title** :
- Mech. Project Eng. and Design Co-ordination for Ras Al Zour / Al Khair PP PKGE- P "2400MW CC" (KSA)
- 12 No's GTG's Type: Siemens manuf. Module SGT6-5000F (ISO: 225MW)
 - 5 No's ST's Module: Siemens manuf. SST6-4000 I30-M2A (225MW)
 - 10 No's HRSG Module: Doosan manuf. SCC6 - 5000F/ Horizontal type & BOP's

Job Description :

- Responsible for assisting Project Manager in entire project mechanical activities for managing the project within stipulated time, adhering to project schedule and budget.
- Design Co-ordination with FICHTNER/LI/APPA/Consultant & SIEMENS.
- Involved in project engineering and project activities from pre-bid engineering stage through basic and detail engineering.
- Perform a Technical Bid Analysis to most of all Mechanical Packages.
- Ensured all work is carried out in accordance with applicable codes like ASME, API, NFPA, etc. codes and standards, HEA standards within the boundaries of the asset basis of design and according to tender specification requirements.
- Inspection & Testing of Major Equipment's.
- AS-BUILT DRGS FINALISATION.

Dates : From Apr. 2004 till Dec. 2007

Employer : MDEPC (Middle Delta Electricity Production Co.)

Project : Nubaria Combined Cycle (2250MW) three modules:

- Module 1 (Siemens for GTG "V94.3A", Alstom for HRSG & MHI for STG):
 - 250MW x 2 No's Simple Cycle GTG
 - 250MW x 1 No's Steam Turbine
- Module 2 (Siemens for GTG "V94.3A", Alstom for HRSG & MHI for STG):
 - 250MW x 2 No's Simple Cycle GTG
 - 250MW x 1 No's Steam Turbine
- Module 3 (GE for GTG "9001FA", Alstom for STG & STF for HRSG):
 - 250MW x 2 No's Simple Cycle GTG
 - 250MW x 1 No's Steam Turbine

Job title : Execution O&M Eng.

Job Description :

- From Concept to commissioning enhancements to project scope.
- Attended the First Fire of Gas Turbine with Siemens Operator Engineers.
- Responsible and report on the scheduling of manpower/material movements for all aspects of construction and or maintenance activity.

Dates : From Oct. 2003 till May 2004

Employer : WDEPC (West Delta Electricity Production Co.)

Project : Zawet Ghazal Combined Cycle (150MW):

- 25MW x 4 No's Simple Cycle GTG
- 25MW x 2 No's Steam Turbine (Westinghouse)

Job title : Execution O&M Eng.

Job Description : Working as Gas Turbine / Steam Turbine / HRSG Operator Engineer.

Dates : From Aug. 2001 till Sep. 2003

Employer : EMA for Hydro-pneumatics Systems

Job title : Technical Support & Sales

Job Description : Mechanical Eng. in charge of mechanical works for material approval and execution, testing & commissioning, etc.

- Field of experience :**
- Total experience is over 18 years in the Power Projects, Gas turbines, Steam turbines, HRSG's, BOP's and having a full knowledge's from Concept to Commissioning, Design & Detail Engineering; Planning & Execution; O&M of Power Plants (based on Fuel Oil / Natural Gas).
 - Worked on combined & simple cycle's power stations: Turbines by Westinghouse / Siemens / GE / MHI at WDEPC, MDEPC – Zawit Ghazaal Plant & Nubaria Power Plant in Egypt.
 - Widely traveled overseas for Power Projects Selection; Equipments Purchase witnessing their Operating performance; Techno-Commercial negotiations; etc. Travelled to Japan – MHI i.e. steam & gas turbines, Generator, HRSG, etc.
 - Key Responsibilities:
 - Assigned at MDEPC / Nubaria PP, EGYPT, for Execution and coordination of major Overhauls along with LTE's after 100KEOH for Siemens Gas Turbines model #SGT5-4000F, in addition to major Overhauls for MHI Steam turbine model #TC2F-35.4 along with related BOP's and currently doing most of all mechanical maintenance activities to 4 GTG's & 2 ST's along with its BOP's i.e. HVAC, FFPS, Plumbing systems, etc.
 - Assigned at Al Arab Power, KSA, for Design Co-ordination with Lahmeyer / POYRY-AG from Owner Engineers side. Head for Detailed Engineering for the 4 Projects and getting Category-1 Approval. Completion of Drawings and submission for approval. Up-dating of Design & Documents with Comments till Category-1 approval is sought. procurement's, contracts, Inspection & Testing (FAT witnessing) of Major Equipment's for the Power Project. As-built Drawings of detailed Engineering, and Vendors Drawings Finalization. Design clarifications between the Design office and the Site Execution Team.
 - Fully involved in all commissioning activities of plant including witnessing Performance Guarantee Test for various equipment's, produce test and commissioning documentation, producing details commissioning programmers, advise on testing commissioning procedures, monitoring progress and analyzing test results.
 - Overseeing and managing teams of technicians and ensuring they are in line with all health and safety regulations, Meeting with clients to discuss products, Pre-commissioning (air blowing & flushing) for sub systems of Siemens gas turbine (SGT6-5000F, etc.) such as (fuel gas & oil, lube oil, hydraulic oil, water injection), Pre-commissioning for cooling system (closed, auxiliary, main cooling pumps).
 - Pre-commissioning for sea water intake (CW pumps, travelling screen, racked bar screen).
 - Pre-commissioning for water & steam cycle (condensate, feed water pumps, vacuum pumps...).
 - Commissioning for sub systems of steam turbine such as (lube oil, hydraulic oil, steam seal lines, vacuum system), fuel oil system to gas turbine commissioning for water & steam cycle: commissioning for cooling system and for sea water intake Supervising the operation of BOP Preparation for first fire, prepare commissioning completion certificate (CCC), Gathered site information.
 - Reviewed the plant design for the adequacy and proper placement

- of test taps and for the type and location of primary flow elements. Developed plant mathematical models and test procedures.
- Arranged the Kick-off meetings and vendor meetings and preparation of minutes of meetings.
 - Met with the plant owner/operators, contractor and representatives of major original equipment manufacturers (OEMs) to iron out the myriad details not covered by contract specifications.
 - Also, generally responsible for implementations and monitoring of all mechanical related works at site as per approved drawings and methods and safety rules.
 - Estimate, prepare and assign the resources such as manpower, materials, consumables, equipment, tools, etc., required for all Mechanical and related works prior to execution. Plans and analyses all possible construction methodologies and recommends the best options to the Site Manager for approval prior to execution at site.
 - Interpret construction drawings and study the contract documents and applicable standards or specifications prior to execution of any jobs.
 - Manage directly and provide engineering and technical supports to all the Mechanical work groups at site.
 - Plan the execution of all Mechanical related works and coordinates the works to Electrical and civil groups.
 - Submit site daily reports, inspection requests, estimate and all applicable monitoring reports on regular basis or as required.
 - Ensure that all the works done are in accordance with the approved construction drawings, contract documents, project specifications, and all applicable standards whether local, national or international standard.
 - PTW (Permit to Work) Procedure/System.
 - Co-ordination with various Vendors for timely & quality supply as per specifications laid down in the PO's; Solving all the technical queries of the Site team by self / sourcing the clarifications; Erection Bar-Chart review of various Vendors; Follow-up: Project Owners / Project Consultants; Site progress review weekly / monthly by Reports & Site Meeting; timely Inspection of key material before dispatch Co-ordination between HO & Site teams and its reporting system.
 - Meetings: Organizing Site Co-ordination meetings for Project Review with Project promoters / Vendors / Site Team / etc. – Elaborate Monthly review meeting. Quarterly critical reviews.