

103242-MMP-1CQSVWXYk-E-2009
Boiler Lead Mechanical Engineer

Holds a B. Sc. in Mining & Petroleum Engineering (Metallurgy Dept.) and has about 10 years hands-on experience working in installation and commissioning of thermal, simple and combined cycle Power plants including HRSG, GT, Steam Turbines. Experienced in Piping systems, Welding, Valves and equipment's.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 11/11/1985
Gender : Male
Marital Status : Married
Residence : Mansoura

EDUCATION

: B. Sc. in Mining & Petroleum Engineering (Metallurgy Dept.), Al-Azhar University, 2009

LANGUAGES

Arabic : Native Language
English : Fluent
German : Fair

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D & 3D

TRAINING COURSES AND CERTIFICATIONS

: Project Management Professional (PMP) preparation course at Arab Academy for Science, Technology & Maritime Transport.
: Courses:

- Material engineering.
- Metallurgy.
- Iron and steel making.
- Welding, forming, forging.
- Engineering Project Management.
- Nondestructive test.
- Thermo dynamic and kinetics theory of gases.
- Process.
- Fluid mechanism.
- Metal extractive.

- : Project Management Diploma (PRMG) at AAST (Arab Academy for Science, Technology & Maritime Transport):
 - PRMG010: Project Resource Management.
 - PRMG020: Primavera 6.
 - PRMG030: Project Risk Management.
 - PRMG040: Project Time Management.
 - PRMG050: Project Cost Management.
- : ASNT Level II Ultrasonic Testing Materials.
- : ASNT Level II Radiographic Testing Materials.
- : ASNT Level II Visual Testing Materials.
- : API 570 Preparation Course.
- : Revit MEP at AAST (on-going).
- : Certified Welding Inspector.
- : German: A1.

CHRONOLOGICAL EXPERIENCE RECORD

- Employer** : [EGYPTROL](#), GE Energy Subcontractor
- Project** : Assiut Combined Cycle 2x250MW, Commissioning and Tests phase (Commissioning of 8 HRSG and BOP including instrumentation, valves and equipment)
- Job title** : Boiler Lead Mechanical Engineer
- Job Description** :
- Commissioning Activities:
 - Assist commissioning manager to set up and perform Commissioning plan as per project schedule.
 - Hand over from Construction.
 - Perform Hydro test & chemical cleaning.
 - Lead HRSG commissioning Activities including mechanical, electrical and instrumentation.
 - Provide technical supports for mechanical, electrical and instrumentation commissioning teams during commissioning and operation phases.
 - Preparing HRSG systems for steam blow.
 - Restoration (Piping & HRSG Equipment's).
 - Performing Required tests for Different equipment as per GE COMM book instructions including equipment changeover.
 - Responsible for GE Commissioning Books.
 - Assist Plant Performance and Reliability team.
 - Familiar with HRSG process Basics.
 - Perform Required maintenance activities during Unit test.
 - Witness and delivering different project phases to Client.
 - Assist Quality department to set and deliver TOP.
 - Handling site materials required and contact with vendors and suppliers to provide material for commission and operation phases.
 - Valve Specialist:
 - Deep experience with different types of valves including manual & Safety and Control Valves ...ex,....attembration & Turbine by pass valves & LCV and MSCV.

- Experienced with CCI MMI & HORA & AUMA & Dresser and S&S valves.
- Deep experienced with Different kind of positioner systems Including Siemens & STI.
- Responsible for HRSG and BOP valves configuration During Hydrotest & Chemical cleaning and Operation.
- Perform safety valve Popping Test & Calibration of pilot valves.
- Perform COLD & HOT Loop check for all Valve Signals.
- Perform valve calibration (Mechanical stroking & instrumentation).
- Perform final calibration and maintenance of valves if required.

Employer : [EGYPTROL](#), GE Energy Subcontractor
Project : Assiut Combined Cycle 2x250MW, installation
 (Erection of 8 HRSG and 2 steam turbines with total capacity 500MW)
Job title : Lead HRSG Installation Engineer, Construction and Pre-commissioning
Job Description : Supervising Erection and installation of 8 HRSG with BOP, tasks included but not limited to:

- Supervise site works (Piping &HRSG Modules) at site by coordinates with partners engineers and Foremen.
- Attending scheduling coordination meeting with GE & Partner weekly.
- Representative GE as technical office and link between GE Mechanical engineering at Head Quarter and site team.
- Responsible for contacts with all vendors in case Site team face a problem on Site.
- Witness on construction of Partners scope i.e. Main steam and critical piping.
- Set up Different procedure i.e. Hydrotest procedure & welding of Casing Procedure and assist to enhance chemical cleaning procedure.
- Perform Piping drawings reviewing as T.O to ensure the PID, site and Drawing are compatible.
- Witness for critical welding point/perform final walk down before Hydrotest.

Employer : OCI Construction
Project : West Damietta Combined Cycle ADD-ON 4x125MW
Job title : HRSG / BOP Mechanical Engineer
Job Description : Supervising Erection and installation of 4 HRSG with BOP, tasks included but not limited to:

- Responsible for Site and work shop erection of HRSG and critical Piping scope.
- Reviewing all GE Vendor Documents to be sure that all ISO matched With PID and issue a RMU or new revision as required.
- Responsible for Piping and HRSG Technical Office works.
- Communicate with engineering and assist them to solve site issues.
- Perform Hydrotest.
- Responsible for Valve erection and calibration.
- Perform Prehydrotest and final walk down with commissioning Team.

Dates : From Dec. 2015 till Nov. 2016
Employer : PSC Qatar
Project : UM Alhoul Power IWWP, Erection and installation of 6 gas turbines and 4 steam turbines with total electrical output 2.5GW
Job title : Mechanical Piping Project Engineer
Job Description :

- Liaising with clients and reporting progress, professional staff, such as architects and surveyors, and the public.
- Supervising contracted staff.
- Meeting subcontractors.
- Making safety inspections and ensuring construction and site safety.
- Checking and preparing site reports, designs and drawings.
- Maintaining quality control procedures.
- Motivating the workforce.
- Problem solving.
- Using specialist construction management computer applications.
- Assist construction supervisors in the administration of executing contracts, and monitor activities of contractors on the project.
- Ensure the Productivity and Quality is maintained by subordinates.
- Coordinate with other Disciplines in site.
- Monitoring the daily work activities of Sub Contractor and updating Subcontractor Progress Reports.

Dates : From Mar. 2015 till Sep. 2015
Employer : [EGYPTROL](#), GE Energy Subcontractor
Project : Construction of 8 units of 125MW each, Assiut Simple Cycle
Job title : Piping Installation Engineer
Job Description :

- Achieving a world record in installation and deliverance of 8x125MW gas turbine.
- Mechanical Supervisor of piping and exhaust stack activities in New Assiut, Simple Cycle Power Plant - 1000MW which consist of eight GE 9E (PG9171E) Frame CTGS, Dual Fired Gas Turbine Generator Equipment Package with all Required balance of plant system (on base, off base and equipment).
- Ensure the Productivity and Quality is maintained by subordinates.
- Coordinate with other Disciplines in site.
- Monitoring the daily work activities of Sub-Contractor and updating Sub-Contractor Progress Reports.
- Assist Design Department in solving Piping Modification and Technical Problems in the Field.
- Responsible for carrying out Mechanical Clearance, Conducting Hydro and Pneumatic tests, fulfilling commissioning and Pre-Commissioning requirements for the project.
- Responsible for line checking after hydro test to complete the post punch list prior to sign-off the test packages before signing the completion of piping / mechanical.
- Ensure that hydro test reinstatement is to be done as per procedure.
- Ensure that all punch list items are resolved; client handover is satisfactorily concluded and that there is no prolongation of project.

- Dates** : From Aug. 2013 till Mar. 2015
- Employer** : Zhejiang Thermal Power Company, Subsidiary of the China Energy Engineering Group Co. Ltd (CEEC), Egypt Representative Office – Alexandria
- Project** : Construction of 2 new units of 650MW each in Abu Qir Power Plant
- Job title** : Piping Construction Supervisor & Project Coordinator
- Job Description** :
- Ensuring that all the project management plan and subsidiary plans implemented according to the company strategy.
 - Assist Construction Manager by preparing all required documents and backup relating to subcontracts, work orders, purchase orders and change requests.
 - Schedule all required project, meetings with necessary personnel, Subcontractors, Owners, Consultants.
 - Prepare correspondence to Owner, consultant, Subcontractors, Suppliers and Vendors.
 - Participate in the preparation and executes job-specific tender packages and contracts for approved projects.
 - Managing development of detail engineering packages for piping, mechanical, civil and E&I related to our projects.
 - Review and approve scope of works / Engineering for plant modification or new installation projects.
 - Ensure the most current design/Engineering document is used to complete the work and that all design changes are approved prior to implementation.
 - Assist construction supervisors in the administration of executing contracts, and monitor activities of contractors on the project.
 - Review the general contract and contract documents and confirm the budget setup and project milestones in conjunction with Project Lead.
 - Lead and communicate with Field Supervision, Subcontractors and Vendors to assist them in working to the Project Schedule.
 - Organizing / Supervision of construction & erection of process equipment and piping Administer financial aspects of the Owner's contract, subcontracts and purchase orders.
 - Attend and represent the company at job walks, pre-construction, project and closeout meetings.
 - Monitor actual work performance against the project management plan.
 - Solicit Subcontractors, Suppliers and Vendors for Bids / Proposals / Quotes.
 - Perform Integrated Change Control - reviewing all change requests; approving changes and managing changes to deliverables).
 - Notify Subcontractors, Suppliers and Vendors of any changes to the plans, specifications and/or schedule.
 - Accountable for receiving approved submittals from Owner/consultant and notifying the field of potential schedule impact.
 - Developing and tracking punch lists, and Monitoring as built.
 - Review and endorse progress and final payment requests from consultants and contractors.
 - Ensuring that work has been completed in accordance with contractual terms and conditions.
 - Ensure that all Project documents. TOP, surveillance reports, Claims and LD's has been updated and done in accordance with contractual

terms.

- Ensuring that the contract value has been updated to include all design change.
- Close Project or Phase - finalizing all activities across all of the Project Management Process Groups to formally complete the phase or project.

Dates	:	From Feb. 2011 till Aug. 2013
Employer	:	Aviation Industry Corporation of China and Zhejiang Thermal Power Construction Consortium (AVIC/ZTPC) – Alexandria
Project	:	Construction of 2 new units of 650MW each in Abu Qir Power Plant, Alexandria
Job title	:	Piping Engineer & Project Coordinator
Job Description	:	<ul style="list-style-type: none">• Construction and pre-commissioning of Critical and non-critical Piping Systems, Feed Water System, Main Steam System, circulating Water System, Service Water, Steam Sampling, and installation of Plant Equipment (circulating water Pumps, Service Water pumps, Sample Pumps, Vacuum Cooler Pumps, Skid Lubricating Oil...etc.).• Construction and commissioning of 2 desalination unit, MED, with capacity of 5000m/day for each unit, including stainless steel and GRP piping.• Replacement of service water system carbon steel into GRP piping.• Construction and commissioning of Pump house Piping.• Review of Project Contract specifications, ISO and P&ID s.• Handling all piping technical queries and investigating all field pipe work related problems, including the drawing of field sketches when necessary.• Coordinating with Engineering and Construction and liaise with the Client on detail engineering requirements.• Elaborate construction feasibility analysis, evaluating the available materials & drawings.• Raising MTO(s) for all materials required to additional materials for hydro test etc.• Responsible for Piping erection operations and pipe support installation in accordance with schedule, Procedures, Specifications, Priorities and Availability of Construction Drawings.• Performing hot and cold walk down for all system, pipe line, equipment's and supports.• Ensure the Productivity and Quality is maintained by subordinates.• Coordinate with other Disciplines in site.• Monitoring the daily work activities of Sub Contractor and updating Sub Contractor Progress Reports.• Assist Design Department in solving Piping Modification and Technical Problems in the Field.• Provide technical answers to Engineering Queries raised up by the sub-contractor confirming design drawings and standard requirements.• Responsible for counter checking by Isometric/Piping plan for the spools erected in the correct location, orientation, alignment and plumpness.• Carrying out final P&ID check of installed piping systems in the module.• Preparation of AS BUILT drawings.• Preparation of field piping system test packages, including system limit on P&ID and piping Isometrics.

- Responsible for carrying out Mechanical Clearance, Conducting Hydro and Pneumatic tests, fulfilling commissioning and Pre-Commissioning requirements for the project.
- Responsible for line checking after hydro test to complete the post punch list prior to sign-off the test packages before signing the completion of piping / mechanical.
- Ensure that hydro test reinstatement is to be done as per procedure.
- Ensure that all punch list items are resolved; client handover is satisfactorily concluded and that there is no prolongation of project.
- Responsible for TOP control, reviewing and hand over to owner and consultant.

Dates : Jan./Feb. 2011 (part time)
Employer : Field Sons for Oil and Gas Company (FSOS) – Cairo
Project : Oil Tank Replacement P1, P2 Storage tanks
Job title : Welding Inspector
Job Description :

- Mainly responsible for construction and replacement of Oil Tank Storage according to API 650.
- Materials Inspection for Plates & Piping & Fitting and Steel Structure Equipment's.
- Visual Inspection before, during & after Welding.
- Preparation the Welding Sequences for Tanks & Piping.
- Witnessing & approving for the following:
 - Hydrostatic Testing.
 - Weld Specifications & Qualifications (WPS & PQR).
 - Welders Qualifications Tests & NDT Operators Qualification.
 - NDT test acceptance.

Dates : From Jul. 2009 till Feb. 2011
Employer : International Oil and Gas Company (IOGSC), Third Party – Cairo
Job title : Piping QC/QA Engineer
Job Description :

- Responsible for coordination works between contractor and consultant as a Third Party Representative.
- Responsible for reviewing all WPS and WQT for Carbon steel, P91 Alloy, P22.....).
- Responsible for reviewing and acceptance for all radiographic films.
- Review Welders' qualifications (WPQR).
- Review all NDT reports (UT, PT, VT, MT, RT) done on joints.
- Monitor on-going PWHT and review results.
- Project: MIDOR shutdown, IRIS inspection on heat exchanger:
 - Developing inspection plan for time and cost estimation.
 - Determine type of inspection, prepare the team work for entire shutdown.
 - Supervision for PETROMENT cleaning process for the tubes before starting inspection, preparing all documents need for the equipment and the team.
 - Leading the team during the IRIS inspection.
 - Preparing and submitting submit the report to QC Management of MIDOR.
- Project: Cleaning, Maintenance and replacement of Two crude oil

storage tanks:

- Mainly responsible For Construction and Replacement of Oil Tank Storage According To API 650.
- Materials Inspection for Plates & Piping & Fitting and Steel Structure Equipment's.
- Visual Inspection before, during & after Welding.
- Reviewing the following:
 - Weld Specifications & Qualifications (WPS & PQR).
 - Welders Qualifications Tests & NDT Operators Qualification.
 - NDT test acceptance.
- Project: Fabrication of power boilers and pressure vessel:
 - Visual inspection before, during, after welding. Interpretation of RT films ACCORDING TO ASME VIII.
 - Witness of Welder Qualification Test (WQT) based from approved WPS/PQR, International Codes, Standards and Specifications.
 - Issue respective cards and maintain Qualification Records.
 - Analyse repair rate and take necessary precautions.
 - Monitor MVR (material verification inspection report) as per Isometric Drawing and client requirement etc.
 - Specified for materials conform to the specification and that welding filler metals used are as familiar with the base materials and consumable welding materials.
 - Review of raw Material Inspection Certification.
 - Prepare of Inspection Test Plan as per specification and Client requirements.
 - Fit-up and Weld Visual and if there is any heat treatment base from the material.
 - Witness of materials physical damages, Dimensions, Joint Preparation.
 - Verify pressure gauges calibration, Witness pressure testing and conduct Reinstatement of lines.
 - Prepare Pre-Hydro/Pneumatic/Visual Test Check List verification.
- Project: Replacement and Renovation of piping in GUPCO offshore platforms:
 - Responsible for Piping erection and pipe support installation in accordance with PID and ISO drawing.
 - Responsible for coordination works between platform safety and radiographic team works.
 - Carrying out final P&ID check of installed piping systems in the module.
 - Preparation the Welding Sequences pipe line, visual inspection before, during, after welding. interpretation of RT films ACCORDING TO API 1104.
 - Witness of Welder Qualification Test (WQT) based from approved WPS/PQR, International Codes, Standards and Specifications.
 - Review all NDT reports (UT, PT, VT, MT, RT) that done on joints.
- Project: Replacement and Renovation of pipeline in WEPCO offshore platforms:
 - Preparation the Welding Sequences pipe line, visual inspection before, during, after welding. interpretation of RT films According TO API 1104.
 - Witness of Welder Qualification Test (WQT) based from approved WPS/PQR, International Codes, Standards and Specifications.

- Review all NDT reports (UT, PT, VT, MT, RT) that done on joints.
- Project: Replacement and Renovation of pipeline in WEPCO offshore platforms:
 - Preparation the Welding Sequences pipe line, visual inspection before, during, after welding. Interpretation of RT films ACCORDING TO API 1104.
 - Witness of Welder Qualification Test (WQT) based from approved WPS/PQR, International Codes, Standards and Specifications.
 - Review all NDT reports (UT, PT, VT, MT, RT) that done on joints.

- Field of experience :**
- EPC.
 - HRSG/Boiler/BOP (Construction/Commissioning).
 - Piping/Valves/Equipment/Supports.
 - Gas/Steam Turbine.
 - Quality Control.
 - Technical Office and Engineering.
 - Valve Specialist.
 - HRSG Commissioning Instrumentation / Mechanical / Chemical cleaning.
 - Chemical Cleaning.
 - Thermal & Combined Cycle Experience.
 - Steam and High Pressure Piping.
 - Site Experience.
 - Team Leader.
 - Start-up & Operation.
 - Codes & standards.
 - Trouble shooting.
 - Maintenance.