

Holds a B. Sc. in Mechanical Power Engineering and has over 5 years experience working in QA/QC.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/02/1992
Gender : Male
Marital Status : Single
Residence : Benha, Qalubia

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Certified Welding Inspector (CWI).
- : Certified Maintenance & Reliability professional road map Guidance approved from SMRP.
- : International Computer Driving License (ICDL).
- : Welding Technology and inspection attendance course.
- : Radiographic Testing and Inspection ASNT TC 1A Level II Certificate.
- : Visual Inspection ASNT TC 1A Level II Certificate.
- : Dye penetrant Testing and Inspection ASNT TC1A Level II Certificate.
- : Magnetic Testing and Inspection ASNT TC 1A Level II Certificate.
- : Ultrasonic Testing and Inspection ASNT TC 1A Level II Certificate.
- : 10-hours Occupational Safety & Health course presented by OSHAcademy Authorized training provider (ATP), GTSC.
- : Training: Construction Safety and Health & CMRP.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2018 till now
Employer : Orascom (Main contractor)
Project : ASSIUT SUPERCRITICAL POWER PLANT (1x650MW) STEAM POWER STATION
Job title : Field Mechanical Quality Engineer
Job Description :

- Scope: Erection of STG & control Building steel structure, Pumps, and Tarnos™ Traveling water screen system.
- Ensure that discipline work is carried out fully in accordance with project quality standard specified.
- Responsible for all mechanical construction activities.
- Review all Drawing, Random inspection of material, calibration of all Mechanical and measurement Tools.
- Check all civil work and anchor bolt position.
- Review all WPS and electrode storing and handling.
- Welding preparation from fit up and welder ID till Visual and other NDT tests.
- Traveling water screen Area:
 - Check all civil opening.
 - Check alignment of guide plates for stop logs.
 - Check erection of washing pump.
 - Verify all component of TWS & Stop logs and bar screen erected as per specs.
 - Verify applying all required tests.
 - Check erection of gantry and semi gantry crane.
- Steel structure Area:
 - Check steel structure level and alignment.
 - Check all bolt torque.
 - Create punch list.
 - Control of fire proof Painting of control building.
 - Cladding of STG and Control building.
 - Touch up and cleaning for hand over.

Dates : From Jan. 2017 till Sep. 2018
Employer : Orascom (Main contractor)
Project : ASSIUT COMBINED CYCLE ADD-ON PROJECT
Job title : Field Mechanical Quality Engineer
Job Description :

- Scope: Installing GE™ steam turbine, HRSG and SPIG™ Air Cooling Condensate system.
- Ensure that discipline work is carried out fully in accordance with project quality standard specified.
- Responsible for all mechanical construction activities (HRSG - Piping - pumps - steel structure - steam turbine generator).
- Review all Drawing and GE Manual, Random inspection of material, calibration of all Mechanical and measurement Tools, the way of storing and handling (tools-grease-oil- material) and preparing Turbine and Generator ITP.

- Check all civil work and anchor bolt position.
- Review all WPS and electrode storing and handling.
- Welding preparation from fit up and welder ID till Visual and other NDT tests.
- Steam Turbine Area:
 - Responsible for arranging the receipt of work from civil department to mechanical department.
 - Check and Confirm that all adjusting device (fixators) are in its location and elevation and work properly with no damage in its material.
 - Witness on all site installation (fixator - bearing - casing - diaphragms - rotors - sealing - HP turbine - generator - cross over - all connections - turbine skid - keys).
 - Check every part on its location according to Drawing and approved clearance.
 - Check the alignment of LP rotor with diaphragms by Digital Device (ERAG) and check levelness of diaphragms (Joint check) and Horn drop check.
 - Apply all tests according to GE Manual with GE TA.
 - Check all dimension and clearance for all connection and all flange parallelism.
 - Verify load test on HP & LP turbine.
 - Check pre & final alignment for rotor coupling with dial indicator.
 - Document all alignment, clearance data, torque value and all dimensions.
- HRSG Area:
 - Responsible for arranging the receipt of work from civil department to mechanical department.
 - Install boiler's Pressure parts for all of (8) HRSG and aligned (16) recirculating pumps alignment.
 - Monitor and control the welders and welding activities for different casing material.
 - Control and make the required to piping installation, fit up inspection, welding according to approved WPS, NDT and PWHT, welding summary and test package.
 - Deal with various material of P NO. (P15E, P5A, P4) and various codes (ASME I, ASME IX, ASME B31.1, AWS).
 - Control site activity and documentation.

Dates : From Apr. 2016 till Jan. 2017

Employer : Petrojet (Main contractor)

Project : DP WORLD Sokhna EPC of Gasoil Tanks, LPG Tanks and Related Infrastructure

Job title : Field Mechanical Quality Engineer

Job Description :

- Scope: Installing Gasoil & LPG tanks and related infrastructure.
- Material inspection, Traceability & Consumables Receiving inspection & Storage.
- Calibration of welding machines & heating furnaces.
- Issue Weld Map & RT Map of (gas oil & LPG Tank) According to API 650

- & API 620 & ASME IX.
- Make welding sequence of each tank for bottom, shell & roof plates to avoid distortion.
- Dimension check & Fit up of Annular, Bottom & Sketch plates.
- Preparation and monitoring welding procedure Specification (WPS, PQR).
- Welder Qualification with conformance the applicable codes and standers.
- Preparation and qualification WQT (Welder Qualifications Test).
- Dimension check & Fit Up of shell Courses.
- Roundness, plumpness, peaking & banding of tank shell.
- Orientation & Elevation of nozzles & manholes.
- Roof fit up, Wind girders, curb angles welding & inspection.
- Pre-weld inspection & verification that dimensions fit up and welding preparations are in accordance with the engineering drawings.
- Assure Welding & Inspection procedures are compliant to code and Client requirements.
- Apply NDT According to API 650 & API 620 & ASME IX.
- RT films interpretation and preparation of relevant RT reports.
- Check that all work is carried out according to Project Specifications & approved procedures with effective application of ITP.

- Field of experience :**
- Mechanical QA/QC Engineer.
 - Years of Experience: 5+ (Orascom & Petrojet).
 - Power Plant.
 - (LPG & gas oil) Tanks.
 - Certificate: CWI & NDT (RT-MT-UT-VT-PT) & ICDL.
 - Skills: Steam turbine - Pumps - Piping - HRSG - Tanks - ASME - Welding - AWS - API - Documentation - ITP - steel structure - NDT - using mechanical & welding inspection tools - alignment activity - issue (NCR – Punch list) - material receiving - welder tests - weld summery & test pack.
 - Responsible for all aspects related to project quality control:
 - Completion of necessary documentation to verify the work performed (WPS, WPQ).
 - Ensuring that inspection requests are implemented.
 - Ensuring that all tests reports are verified to meet the contract requirements.
 - Issue and administer non-conformance reports as necessary and ensure follow up.
 - Responsible for overseeing / auditing of subcontractor quality management systems.
 - Controlling all inspection activities on site (welding inspections, testing the welder, dimensional survey, NDE operation).
 - Check welding equipment, weld preparation, fit up, cleanliness, preheat, interpass cleaning, PWHT, electrode storage and handling ...ETC.
 - Carry out the inspection as per approved ITP, check sheets and related procedures.
 - Review company specifications, drawings, method statement,

maintain daily reports and log of daily activities.

- Familiar preparation of weld map.
- Regular and timely raised RFI to witness and verify technical.
- Collate all relevant documentation for the job and apply the data to creation of test pack to undertake pre-hydro test inspection activity.