

105751-MEC-14GMOSn-E-1979
Generation Senior Expert

Holds a B. Sc. in Mechanical Power Engineering and has over 37 years experience and became a Generation Power Plant Manager.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/07/1956
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Power Engineering, Suez Canal University, 1979

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Maintenance & Overhaul of Pumps & Air Compressor, American University in Cairo.
- : Lube oil Systems for Rotary Equipment, American University in Cairo.
- : Economic Technical Decision for new Manager, American University in Cairo.
- : Overhaul & Maintenance of Gas engine with Accessories, Waukesha & Detroit Co. - U.S.A.
- : Gas Turbine Air Filter Test Analysis as Standard EN779:2012, Politecnico - Italy.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2006 till Nov. 2017
Employer : SAUDI ELECTRICITY CO. (SEC) - Southern Region
Job title : Generation Senior Expert (Generation Technical Support Dept.)
Job Description :

- Expert in RCA for up normal failure, troubleshooting and Accidents for Diesel Engines Generation Units, Gas Turbine Auxiliaries, Fire Fighting Systems at Generation Power Plant in South Region.

- Prepare Scope of work and Documentations to tender Operational & Capital Project for Gas Turbine Auxiliaries (Diesel & Water Pumps - Torque Converter – Compressors – Black Start Units - Fuel & Oil Separators – Air Intake System – Over Head Cranes).
- Prepare, supervise and follow Capital firefighting Project stages (tender, Technical Evaluation, execution, test & commissioning, Technical Completion, Punch List and hand over) at south region Generation power plants.
- Perform Test & commissioning for all kinds Fire Fighting Project Systems such as (FM200 - Co2 - Water Sprinkler - Foam/Water and fire detections) as NFPA standard.
- Prepare and follow Maintenance Plan for all firefighting systems at South region Generation Power Plant.
- Prepare, supervise and follow Gas Turbine Auxiliary (Flow divider – Fuel & Water Pump Skids - Overhead Cranes – Service Compressors - Air Pulsing Cleaning Systems & Black start units) Capital & operational Project stages (tender, Technical Evaluation, execution, test & commissioning, Technical Completion, Punch List and hand over) at south region Generation power.
- Prepare specification and perform Technical Gas Turbine Air Filter Analysis according International Standard EN779:2012.
- Study and approve Mechanical Contractor Documentations and capabilities to be qualified Contractor in SEC Contractor approval List.
- Prepare Time Schedule and action plan for Annual Maintenance program for Gas Turbine Auxiliary Equipment and System (Main Fuel Storage Tank – Fire Fighting System – Black Start Diesel Generators – Fuel & Oil Separators – Overhead Cranes – Service & Off base Compressors – Air Intake System).
- Participate in technical Committee to prepare complete study in full details to convert Gas Turbine operation form Diesel Fuel to Oil Crude Fuel.
- Participate in Technical Committee to evaluate all Bidders Technical Proposals of Shuqaiq Steam Power Plant Project for Auxiliaries such as (Water Pumps – Purifiers - Black start Units – Service Compressors – Fire Fighting Systems & Air Intake Systems).
- Participate in Technical Committee to interview and select the qualified and skill staff to work in Shuqaiq Steam Power Plant.
- Getting Creativity Prize in 2011g for modifying the main oil pump system at Sharurah Power Plant.
- Getting Creativity Prize in 2013g for modifying the Air Intake system at Sharurah Power Plant.
- Getting Creativity Prize in 2015g for modifying Fire Fighting system at Al-Baha Power Plant.
- Getting Employee Annual prize in 2012g.
- Getting (Three Times) for Employee Monthly prize.

Dates : From Dec. 1994 till Sep. 2006
Employer : SAUDI ELECTRICITY CO. (SEC) KSA – WESTERN REGION
Project : Ummlujj Power Plant
Job title : Generation Power Plant Manager

- Job Description** :
- Prepare Annual Preventive Maintenance Plan for Generation Diesel Generator sets with all accessories (75MW installed capacity). the type and manufactures of the units and Equipment at Ummluj Power Plant are as follow:
 - (2x2.5MW) WARTSILA GEN. MODEL F316A.
 - (3x3.5MW) DEUTZ GEN. MODEL BV12M540.
 - (2) DEUTZ GEN. MODEL BV16M640 (5MW).
 - BWSC HITACHI GEN. MODEL 9S50LS (5MW).
 - INGERSOL RAND COMPRESSORS, TWO STAGE (35 BAR) EACH.
 - SAUER AIR COMPRESSORS, TWO STAGE (25 BAR) EACH.
 - ALFA LAVAL OIL SEPARATORS MAB 206.
 - ALFAL LAVAL OIL SEPARATORS LOPX 700.
 - RITZ WATER CENTRIFUGAL PUMPS.
 - IRON A/S DIESEL BOOSTER PUMP MODEL ACE T2B.
 - IRON A/S COOLING WATER PUMP MODEL ONV-7.
 - VIKING ROTARY PUMPS SERIES 32.
 - Prepare and order (Major Overhaul and Operational) spare parts for generators & accessories according to the annual plan.
 - Expert in RCA of Diesel Engines, Auxiliary failure Accidents and Troubleshooting.
 - Supervise and responsible to follow and evaluate (daily / Monthly / Annual) work progress for power plant Staff (52) Technician and Engineers.
 - Prepare Annual Budget for consumable Materials such as (fuel Delivery and Consumption Quantity - Lubrication oil - greases - chemicals & additives).
 - Studying the work and safety procedure.
 - Supervise, follow and ensure the preventive and Corrective Maintenance are done according Check List and O/M standard Procedures.
 - Prepare all requested tools/instrument & equipment to perform Routine and Corrective Maintenance Program.
 - Conduct training courses and seminars (Practical / Theory) for Technician and fresh graduated Engineers in Diesel Engines (Definition of Diesel Engines Main Components – Principle & Operation Philosophy and common Troubleshooting).

Dates : From Dec. 1993 till Sep. 1994

Employer : SAUDI PETROLEUM CO. (SAMAREC), KSA – WESTERN REGION

Project : DIPSE PROJECT

Job title : Mechanical Engineer

- Job Description** :
- Participate in preparing Annual inventory report for most of parts in Riyadh Refinery warehouse.
 - Check & Review Purchasing Orders with User Dept.
 - Study & coordinate Purchasing Orders for tools / instrument & Equip. with User Dept.
 - Coordinate & Contact with dealers, vendors to discuss in requested parts specification problems.
 - Prepare min/max level for new requested item after.
 - Negotiation with user Dept. meanwhile the levels for old items were

decided according to historical consumption within last two years.

- Send material for repair after requested from Maintenance sections.
- Prepare receiving orders (accepted / unaccepted) parts form after compared & matched with the requested specifications.

- Dates** : From Mar. 1983 till Oct. 1993
- Employer** : GULF OF SUEZ PETROLEUM CO. (GUPCO), EGYPT
- Job Description** :
- From 1990 to May 1993 >>> SECTION HEAD:
Worked in off-shore Maintenance Equipment Dept. as Sectional Head and supervised to perform the following jobs:
 - Carry out Annual Overhaul and routine Maintenance for Caterpillar and Waukesha gas & diesel generators, Ingersoll rand, Atlas Copco air compressors and submersible cooling pumps.
 - Carry out Annual Overhaul and routine Maintenance for Lattice and Hydraulic Boom Off Shore Cranes.
 - Modify and Upgrade of pneumatic systems for starting, shutdown & control of the compressed air system of the generating units and the air compressors.
 - Prepare Annual Maintenance Plan for Off-Shore Rotary Equipment (Gen. set - Pumps - Air Compressors – Lifting Cranes).
 - Prepare Annual Budget for Off-shore Commutable and Operational (Spare Parts - Consumable Materials & Manpower).
 - From 1987 to May 1990 >>> SECOND & FIRST ENGINEER:
Worked in Pumps Maintenance Dept. to perform the following:
 - Repair, Troubleshooting & Order all annual spare parts for crude oil cooling water & fuel pumps (single, eight & ten stages pumps).
 - Overhaul Different Types of oil, water and Fuel pumps (Goulds models 3420, 3655 & 3196 - Johnston & crane pumps).
 - Balancing of the above mentioned pump rotors in workshop.
 - Carried out mech. maintenance program, troubleshooting for gas turbine package model MS5001 frame GE 5 with axial compressor 17 stages.
 - From Mar. 1983 to May 1986 >>> THIRD ENGINEER:
Worked as Mechanical Engineer in Maintenance department to perform the following:
 - Carry out overhaul & repair activities for off-shore hydraulic cranes & lifting equipment (fork-lifts, bulldozers, loaders, graders and mobile cranes).
 - Repair & overhaul pneumatic relief valves such as (Grosby, fisher, Anderson and dresser).
 - Prepare Modification of air pipes routes at off shore platforms.

- Dates** : From Feb. 1980 till Aug. 1992
- Employer** : AL NASR SALTING CO. - EGYPT
- Job title** : Mechanical Engineer in Maintenance Dept.
- Job Description** :
- Carried out routine maintenance, repair & overhaul works for centrifugal sea water pumps.
 - Carried out routine maintenance, repair & overhaul works for hydraulic equipment such as (tractors, loaders & graders).
 - Order annual / overhaul, mechanical spare parts for all the above

mentioned equipment.

Ability to introduce presentations and training courses in the following:

- Operation, maintenance and Perform Test & commissioning for all kinds Fire Fighting Project at generation power plant Systems such as (FM200 - Co2 - Water Sprinkler - Foam / Water and fire detections) as NFPA standard.
- Prepare specification and perform Technical Gas Turbine Air Filter Analysis according International Standard EN779:2012.
- Operation, maintenance, Perform Test & commissioning and troubleshooting for all kinds of Diesel generators with different capacity.
- Operation, maintenance, Perform Test & commissioning and troubleshooting for Centrifugal, positive displacement Pumps and Air compressors.
- Prepare Time Schedule and action plan for Annual Maintenance program for Gas Turbine Auxiliary Equipment and System (Main Fuel Storage Tank – Fire Fighting System – Black Start Diesel Generators – Fuel & Oil Separators – Overhead Cranes – Service & Off base Compressors – Air Intake System).