

102526-ELE-15CMOS-E-2008
Head of Electrical Maintenance Dept.

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 14 years' experience working in construction, maintenance, operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 29/05/1986
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 2008

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : Field trainings:
- Gas turbine operation course SIEMENS V94.3A - Teleperm XP control system.
 - Training course in security of power plants.
 - CMI Energy + Skoda Praha HRSG on-job training.
 - ALSTOM Site operation training about I&C Steam turbine generator and auxiliaries.
- : Courses:
- Training for two months at East Delta Electricity Production Company.
 - Training course in 250MW Gas Turbine Operations (MDEPC).
 - Training course in HRSG and Steam Turbine Operation (MDEPC).
 - Training course in Electrical maintenance in MDEPC.
 - Training course in underground cable assembly and maintenance in MDEPC.
 - Training course in maintenance of emergency diesel generator in MDEPC.

- Training course in protection basics and cathode protection in MDEPC.
- Course in Requirements of Conversation English.
- Basic PLC Step 7 from (TUV) Technology Competency Center.
- Advanced PLC Step 7 from (TUV) Technology Competency Center.
- Training Course in Microcontroller Advanced Level 1.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2022 till now
Employer : Zahran Operation & Maintenance Company (ZOM) in KSA
Project : TFM Riyadh Bus Project P1
Job title : Head of Electrical Maintenance Department
Job Description :

- Plan preventive schedule for each equipment depending on manufacturers manuals.
- Prepare work orders and risk assessment documents as part procedures.
- Documentation of works checklist and forms for quality and follow up.
- Delivered superior training to team for boosting performance and helping team members.
- Performed general equipment maintenance and repair to minimize downtime.
- Oversaw logistics and inventory management for storeroom.
- Supporting different teams (I&C and Mechanical) in fulfilling their cross-linked works.
- Performed studies on protection systems for enhancing and double-check the system reliability.

Dates : From Mar. 2012 till Apr. 2022
Employer : Middle Delta Electricity Production Company
Project : New Talkha Combined Cycle 750MW
Job title : Electrical Maintenance Engineer
Job Description :

- Responsible for supervising reliability-centered maintenance of equipment like Generators, Excitation systems, Transformers, MV & LV Motors, MV & LV Switchgears, Cranes, Batteries, chargers and Inverters.
- Worked as an Electrical Technical Adviser for electrical Equipments in power plant during Major Inspection, Hot Gas Path Inspection and Combustion Inspection of SIEMENS 94.3A turbines.
- Experience in working with Siemens Generators and auxiliary Equipments.
- Well aware of mechanical activities while overhaul of generator rotor and stator on Gas Turbine Generators. Part of team during pull out and installation of generator rotor.
- Worked with FIELD CORE a GE Company as Team Leader Engineer in the Major Inspection of steam turbine generator 250MW. The work involves rotor pulling and installation, bearing installation, alignment, Visual inspection and electrical testing for Rotor and Stator from January 2022 to March 2022.
- Condition monitoring of running machines, trouble shoot and derive effective solutions to equipment problems, make self-available during

emergencies round the clock, in order to ensure the continuous and safe operation of the plant machinery.

- Arrange resources and control the routine, preventive overhauls and emergency maintenance, in order to efficiently and safely complete all the activities well.
- Generate reports on major failures and recommends suitable actions to minimize or eliminate recurrence of the problems.
- Update, maintain records, daily log book, generate reports related to the maintenance work, maintain master list of drawings, calibrate/test tools and test equipment, in order to enable the supervisors to take the right decisions and thereby ensure plant reliability.
- Ensure safe work practices and methods.
- Conduct toolbox talks regularly in order to ensure safety at all times.
- Carry out risk assessments, monitor work practices and methods, conduct safety and housekeeping inspections, in order to ensure safety centered maintenance.
- Plan and prepare preventive maintenance schedules and associated procedures and checklists. Prepare for the scheduled overhaul and check the manpower availability.
- Identify & propose the possibilities of improvement in the process, maintenance quality, safety, man-hours spent and cost effectiveness, in order to strengthen the superiors' effort to contribute to the organization's action plan of 'continuous development and process improvement'.
- Identify spares/tools/test equipment requirement for the year and initiate procurement in order to ensure their availability during overhauls and emergency maintenance and thereby ensuring the quality and timely completion of work.
- Preparation of Annual Budgets (Tools – Spare Parts).
- Assist Purchase Department in specification of items for purchase, spare parts details and other day-to-day jobs, as and when required.
- Start-up and commissioning of MCCs, Generators, Exciters Motors, Transformers, Instrument air compressors, Medium and High Voltage switchgears and other electrical Equipments in power plant.
- Skilled in preparing and executing Electrical switching programs during shut down and startup of power plant, HV motors, Transformer, medium and high voltage switchgear maintenances.
- Familiar with all mechanical and Instrument controls in power plant. Good knowledge in working with SIEMENS T3000.
- Troubleshooting and maintenance of, emergency diesel generator, battery chargers, UPS.

Dates	:	From Jan. 2009 till Mar. 2012
Employer	:	Middle Delta Electricity Production Company
Project	:	New Talkha Combined Cycle 750MW
Job title	:	Operation & Control Engineer
Job Description	:	<ul style="list-style-type: none">• Participate in construction, commissioning and start-up of SIEMENS V94.3A gas turbine.• Operation of 2x250MW SIEMENS V94.3A gas turbine -Teleperm XP control system- and associated auxiliary through DCS.• Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.

- Performing the unit startups and shutdowns per assigned targets.
- Trouble shooting, effective response to emergency conditions and compliance to safety procedures.
- Diagnose and resolve day-to-day operational problems.
- Raising defects for equipment & doing isolation and de isolation procedures according to the work permit.
- Perform high/medium voltage switching operations.
- Handling plant firefighting.
- Participate in commissioning and start-up of ALSTOM (250MW) DKYZZ3-2N41C steam turbine.
- Participate in construction, commissioning, steam blow, by-pass Operation and start-up of ALSTOM (250MW) and CMI HRSG.
- Steam Turbine Operator for ALSTOM (250MW).
- Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.
- Performing the unit startups and shutdowns per assigned targets.
- Trouble shooting, effective response to emergency conditions and compliance to safety procedures.
- Diagnose and resolve day-to-day operational problems.
- Raising defects for equipment & doing isolation and de-isolation procedures according to the work permit.