

101567-ELE-M-E-1999
Senior Electrical Maintenance Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 18 years hands-on experience in electrical engineering applications in the field of power generation, maintaining the different types of electrical system related to the power generation process in large power plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/10/1975
Gender : Male
Marital Status : Married
Residence : Ismailia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, 1999

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Effectiveness maintenance plan and scheduling.
: Creative problem solving.
: Effective Communication.
: Root cause analysis.
: Transformer Life Management Regional Workshop.
: Safety management system as per OHSAS-18001:2007 Standard.
: ABB ACS 8000 Drive.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2005 till now
Employer : Tanjong PLC
Project : EDF East Port Said Power Plant (2x341MW)
Job title : Senior Electrical Maintenance Engineer

- Job Description** :
- Carrying out preventive maintenance, corrective maintenance and overhauls for the existing 2x341.25MW units, ensuring non-occurrences of similar defects and upkeep Electrical equipment in the best conditions possible.
 - Implement quality corrective maintenance on safe electrical related equipments.
 - Plan the annual outage (activities, manpower and dates).
 - Protection relay test for electrical equipments.
 - Maintaining all electrical installations and auxiliaries associated to Boiler, Turbine and Turbo Alternator of 2x341.25MW units.
 - Analyze and systematically solve long-term and recurring plant troubles/problems pertaining to electrical equipment as quick as possible without jeopardizing quality and ensure that all problem-solving procedures adopted are properly documented for future reference.
 - Providing guidance and constant assistance in solving major technical problems and maintenance outage activities for the EOC power plants or any other subsidiaries.
 - Assist the Maintenance Manger in ensuring all Engineers and Technicians in the Electrical Section discharge their respective duties responsibly, efficiently and in the professional manner so that station's availability and efficiency targets are achieved if not surpassed.
 - Assess, if necessary, damaged equipment/components in order to find root causes and propose technically and financially justified suitable solutions to Maintenance Manager.
 - Identify long-outstanding plant troubles/problems and provide assistance to the Maintenance Manager to solve the problems systematically.
 - Check and review plant's spares status ensuring adequate and optimized spares.
 - Check spare parts delivery quality (wear parts, overhaul parts, safety parts and strategic parts) and their re-order levels in close contact with the Store Manager.
 - Supervise and accountable in executing improvement projects identified by the Group Engineering Department with the approval of the Plant Manager & EOC Management.
 - Check and review details of plants maintenance activities by vetting reports generated by all sections. Where necessary, to identify and initiate plans for plant modifications or improved plant maintenance.
 - Provide guidance and constant assistance to Electrical Section staff in performing their tasks.
 - Ensure effective and efficient execution of all aspects of plant maintenance by Maintenance Department especially Electrical Section, so that the 2x341.25MW units can still maintain their competitiveness.
 - Monitor and control daily activities that give rise to or potentially can cause environmental impacts to ensure compliance to Egyptian Environmental Legislation and Regulations, and in accordance with EOC's ISO 14001 Environmental Management System.
 - Fully understand company's IMS Quality Policy and Objectives, and play an effective role in implementing the station ISO 9002, ISO 14001 Quality System and OSHAS 18001.

Dates : From 1999 till Jun. 2005

Employer : East Delta Company

- Project** : Abu Sultan Steam Power Plant (4x150MW)
- Job title** : Electrical Maintenance Engineer
- Job Description** :
- Responsible for the daily troubleshooting status.
 - Carry out maintenance activities for: Power Generator (Generator auxiliary control panel, Generator protection relay panel, Generator synchronizing control panel, Electrical equipment in Seal oil system, Electrical equipment in stator cooling water system and Excitation system).
 - All Routine and Preventive Maintenance for Power Transformers (Transformer auxiliary control panel, pumps and fans of cooling system, Follow up the oil characteristics by oil analysis).
 - Maintaining (HVLMV/LV) switchgear.
- Field of experience** :
- Key strengths:
 - Highly experienced in fault finding and rectification of miscellaneous electrical systems.
 - Skilled in electrical repair and maintenance of (high voltage, medium voltage & low voltage) electrical equipments.
 - Comprehensive experience in engineering maintenance and equipment breakdown repair.
 - Contributes to maintaining the company's competitive position in the marketplace.
 - Most important activities:
 - Solve the repeated BUCHHOLZ alarm for main transformer.
 - Solve the problem of generator rotor earth fault.
 - Inspection experience: Electromechanical & Instrumentation QA/QC Engineer, Moody International Ltd. Co. and SA International Ltd. Co.
 - Projects assigned: Auditor, Monitoring Inspector, Third Party Inspector and/or Expeditor in the Electromechanical Department, approved by different clients such as:
 - Saudi Aramco Total Refining & Petrochemical Co. (Satorp) / Rotary Engineering Limited, Project: Jubail Export Refinery Project (Jubail – KSA), Material: Low Voltage Cables, Manufacturer: Middle East Specialized Cable (MESOC), Amman – Jordan.
 - Petrofac International (UAE) LIC – JI-199 Tyrmengas, Project: South Yoloten Gas Field Development Project (Turkmenistan), Part: Diesel Generator, Manufacturer: SAKR POWER SYSTEM, SAL, Jbeil 98, HALAT – LEBANON.
 - Responsibilities:
 - Expediting, inspection and release for different manufactured electromechanical equipments for:
 - Electrical power cables. Control, power and instrumentation cables.
 - Emergency Diesel Generator.
 - Type of equipments:
 - 245KV G.I.S. SUBSTATION ALSTOM B105.
 - 245KV BULK OIL SUBSTATION (McGraw Edison RHF84).
 - 6.6KV G.I.S. SWITCHGEAR SCHNEIDER – ENCLOSURE TYPE FLUAIR-F100-6.6KV.
 - 6.6KV VACUM SWITCHGEAR G.E. TYPE POWER VAC*.
 - 400V SWITCHBOARD A.B.B.
 - 400V SWITCHBOARD G.E. TYPE AKR.
 - GENERATOR 18KV, 460 MVA H2 ROTOR COOLING, WATER

- STATOR COOLING TOSHIBA TYPE TAKS.
- MAIN TRANSFORMER 18KV/230KV, 420 MVA, ODAF COOLING, MANUFATURER ALSTOM.
 - AUXILARY TRANSFORMER 18KV/6.6KV, 30 MVA, ONAN/ONAF COOLING, ALSTOM.
 - UPS 80 KVA SGTE.
 - BATTERY CHARGER SGTE.
 - GAS TURBINE TUMA TURBOMACH WITH GENERATOR 6.6KV, 15 MVA ALSTOM TYPE EMZLB/Q.
 - Emergency Diesel Generator PERKINS WITH GENERATOR 0.4KV, 1.1MW STAMFORD.
 - ELECTIRICAL ACTUATORS (LBERANRD, LIMITORQUE, AUMA).
 - FIRE FIGHTING SYSTEM (CHUBB SECURIT).
 - PROTECTION RELAY (SEPAM1000+S20- M-3425 BECKWITH ELECTRIC).
 - SECONDARY INJECTION DEVICE (PTR233 V6 – FREJA 300).