

Holds a B. Sc. in Mechanical Power Engineering and has about 13 years hands-on experience, including 10 years in power station and utilities operations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 28/01/1982
Gender : Male
Marital Status : Married
Residence : Ismailia

EDUCATION

: B. Sc. in Mechanical Power Engineering, Suez Canal University, 2004

LANGUAGES

Arabic : Native Language
English : Good
French : Fair

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Courses on the internet and office in the Ministry of Communication.
- : English course in the Defense Language Institute.
- : Trained in Abu Sultan Steam Power Plant as a Field Operator Engineer and (DCS) Control Room Operator Engineer.
- : Trained in Training Centre of the Nasr Company for Petroleum to train on all types of fires and how to handling with different types of fires and how to use fire extinguishers multiple.
- : Trained as (CRO) Control Room Operator at the (EDF) simulator.
- : Health, Safety, Environment & Quality by HSEQ Administration.
- : Safety work permits and safety regulations.
- : Integrated Management System.
- : Operation process.
- : Fire fighting & First Aid.
- : English: Certificate from American University.

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Jul. 2012 till now
Employer	:	EDF
Project	:	East Port Said Power Plant (2x341MW)
Job title	:	Control Room Operator / Field Operator
Job Description	:	<ul style="list-style-type: none">• Control Room Operator (from May 2013 till now).• Field Operator Engineer (from Jul. 2012 till May 2013).• Follow up the daily activities held in the field and write all necessary reading in the shift logbook.• Operate the Auxiliary Boiler.• Line-up the system in order to be able to start shut down & monitor the unit.• Check the system periodically for problems such as leakage & outage of equipments and report it to the shift charge engineer.• Operate desalination water plant.• Operate chlorination plant.• Operate demineralization plant.• Working as support team engineer in rotation "Troubleshooting & data analysis, Incident investigations, Plant performance monitoring, metering activities and PTW coordination during annual outages and maintenance projects".• Isolating, tagging and normalizing for all plant systems & equipments (Mechanical & electrical isolation).• First intervention team member during the shift.• Learning & knowing all circuits in the station with reading its charts.• Daily checking of equipment and determining of defects.• Carry out isolation of equipment for planned and emergency maintenance.• Helping operator in the field.• Perform necessary checks before equipment start up for detected defect, issue an Accurate and argued MP2i work request have an accurate use of MP2i to manage Work request with maintenance.• Safe operation for Main Boiler (Foster wheeler) 1200 t/h.• Safe operation for Main Turbine (Toshiba).• Safe operation for the Auxiliaries including:<ul style="list-style-type: none">- Gas Turbine 15MW black start.- Desalination unit (2 x 58 t/h) multi effect system.- Water Treatment 2 mixed bed 50 t/h.- Auxiliary Boiler 50 t/h, 16 bar.• Perform periodical test & participate to the fire fighting team.• Follow the dispatch load request & perform periodical test.• Shut down and start-up the unit & perform preventive and corrective actions regarding the environment. & operate the unit in incident or accident.• Collect and analyze periodical data & collect data for incidents and feedback analysis.• Follow and deal with alarms in control room (DCS & JDT) & perform necessary measures before equipment start-up with DCS and HDSR.• Follow operation specifications & analyze equipment efficiency & check availability of stand by equipments.

- Follow ISO 14000 - Environment Management System.
- If there is no procedure or if it is not applicable, issue a risk analysis with SCE agreement before performing the activity.
- Involvement and contribution to the operation department.

Dates : From Nov. 2009 till Jun. 2012

Employer : Kharafi National

Project : In Kuwait

Job title : Commissioning & Start-up Operator

Job Description :

- As a Control Room Operator (from Aug. 2010 till Jun. 2012).
- As a Field Operator (from Nov. 2009 till Aug. 2010).
- Commissioning and start-up activities for units.
- Responsible for monitoring and operating the unit through DCS system.
- Responsible for proper operation of all assigned equipment and system (boiler, turbine, generator, pumps, compressors).
- Plant description:
 - Boiler and turbine and the generator and all equipment are made in Japan, was installed by Mitsubishi Heavy Industries Company.
 - Boiler: max. cont. rating 271 kg/s, max. steam press. 174 bar/abs, max. steam temp. 540/540 °C.
 - Steam Turbine: rated capacity 300,000 KW, speed 3,000 rpm, exhaust vacuum 0,080 bar/abs, main steam press. 140 bar/abs, main steam temp. 535 °C, reheat steam temp. 535 °C
 - Turbine Generator: inner-cooled, frequency 50 Hz.
 - Power factor 0,85; no. of turns 3000 rpm; H2 press. 3 bars.
 - Main equipment specification:
 - Forced Draft Fan (FDF).
 - Gas Re-circulation Fan (GRF).
 - Air Pre-Heater (RAH).
 - Steam Air Heater (SAH).
 - Boiler Feed Water Pump (BFP).
 - Burner system:
 - Fuel Oil Burner.
 - Fuel Gas Burner.
 - Dual Fuel Ignitor.

Dates : From Nov. 2008 till Nov. 2009

Employer : East Delta Electricity Production Co.

Project : Abu Sultan Power Plant (4x150MW)

Job title : 2nd Shift Charge Engineer

Job Description :

- Responsibility during shift for plant start-up, operation, shut down, emergency handling, troubleshooting.
- Issue of safety work permits and co-ordination with maintenance dept.
- Co-ordination with Load Dispatch Center.
- Preparing shift reports, ensuring safety of personnel and equipment and performance monitoring.
- Acting as a Coordinator and direct the Assistant Engineers.
- Acting as a communication centre, relay messages, transmit and receive information and initiate the appropriate actions.

- Responsible for submitting incident/trip reports and to provide recommendations results in quicker resolution of the problems and aid higher management in decision making.

Dates : From Oct. 2005 till Nov. 2008

Employer : East Delta Electricity Production Co.

Project : Abu Sultan Power Plant (4x150MW)

Job title : Field Operator & Control Room Engineer

Job Description :

- As a Control Room Engineer (from Mar. 2006 till Nov. 2008).
- As a Field Operator Engineer (from Oct. 2005 till Mar. 2006).
- Learning & knowing all circuits in the station with reading its charts.
- Daily checking of equipment and determining of defects.
- Carry out isolation of equipment for planned and emergency maintenance.
- Helping operator in the field.
- Control Room Operator:
 - Working on Honeywell DCS and GE Mark V.
 - Responsible for monitoring and operating the unit through DCS system.
 - Responsible for proper operation of all assigned equipment and system (Boiler, Turbine, Generator, Pumps, compressors,).
 - Carrying out start-up, shutdown, routine, and emergency operation of plant.
 - Changing burning fuel from gas to no 6 fuel and vice versa.
 - Coping with any operation trouble that arises during achieving any of pervious.
 - Testing of emergency gas turbine and emergency diesel Generator.
 - Making out daily reports.
 - Making sure that safety rules are followed.
- Plant description:
 - Foster wheeler boilers (530 ton/hour) with 8 burners that could be lit either no 6 fuel or natural gas, and solar as igniter fuel, 2 FDF and 2 IDF.
 - GE 3 stage turbines of 126 kg steam pressure and 512 C steam temperature. Entrance, 6 extraction points.
 - America Delaval condenser.
 - GE generator (15KV, 3000 rpm, 193 MVA, power factor of 0.85).
 - Main transformer (15KV/220KV).
 - Switch yard (output of station), 6-transmission lines with 220KV, Auxiliary transformer 15/6.3KV.
 - Auxiliary boiler (23 ton/hr, 25 bar) fired tube with 2-key stone.
 - Burner of no. 2-fuel oil (solar) and natural gas is igniter fuel.
 - It's using at the plant is shut down during cold start-up.
 - One Black Start Turbine – Diesel Engine for emergency service.
 - Other facilities (feed water system, condensate system, hydraulic oil system, lubricating oil system, fuel systems, circulating water system, closed loop cooling system, hydrogen generation system).
 - Demineralization Plant.

Dates : From Jan. 2005 till Oct. 2005

Employer : University Hospital in Ismailia

- Job Description** : General mechanical maintenance & operation engineers of the following departments:
- Air conditions & refrigeration systems.
 - Medical gasses like oxygen & nitrous dioxide and it's supplies networks.
 - Air equipments like compressors & vacuum machines.
 - Pneumatics valves & gasses regulators and lines.
 - Boilers department produce 2 ton steam per hour & heat exchangers.
 - Water pumps station & fire pumps and vehicles.
- Dates** : From Sep. 2004 till Jan. 2005
- Employer** : Ismailia Deut 2 Service Center
- Job title** : Maintenance Engineer
- Job Description** : Make full heavy transportation repairment, full car maintenance for all it's kinds.
- Field of experience** :
- Work experience: 10 years power station and utilities operations.
 - Knowledge and experience of power generation process, permit and safety system, HV switching and switchgear, steam cycle chemistry, reading technical drawing.
 - My knowledge and experience in mechanical equipments is very good and it improved more and more during outage activities and participating turbines overhaul.
 - Working in thermal power plant give me more experiences in several fields such as electrical equipment and transmission line, instrument control, water/steam chemistry, metal corrosion/erosion and safety.
 - My position, when I was Shift Charge Engineer, gave me the ability to manage shift team and improve safety culture inside them.
 - Familiar with high pressure and temperature of steam and water processes.
 - Familiar with high voltage equipment and transmission lines and water treatment plants.
 - Follow and controlling the safety rules in the site.