100883-ELE-14OS-E-1996
Senior Operation Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 21 years hands-on experience in Fossil Fuel power plants (STG & GTG steam and gas turbine generators), Desalination Plant (MSF) GIS Substation high & low voltages & LNG Trains, working in Mechanical testing, commissioning, start-up and as Senior Operation Engineer.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	03/09/1973
Gender	:	Male
Marital Status	:	Married
Residence	:	Currently KSA

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Zagazig University, 1996

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office, Internet

: MS Project

TRAINING COURSES AND CERTIFICATIONS

: Training courses with NOMAC Company, KSA:

- Integrated Management System IMS ISO9001:2008, ISO 14001:2004 & OHSAS 18001:2007.
- IOSH Managing Safely, Course approved and validated by Institution of Occupational Safety and Health IOSH.
- STOP Safety Training Observation Program, Course approved and validated by Du Pont.

: Training courses at TSKJ Company Training Center, Nigeria:

- HSE (health, safety & environment policy).
- S.T.A.R.T. Program (safe task assignment and reinforcement training).
- B- Safe program, confined space and live plant safety training.

: Training courses at Cairo West Training Center, Egypt:

- Unit (Boiler, Turbine and Generator) Protection.

- Boiler Feed Water Treatment.
- 220 & 66KV GIS Substation Operation and Protection.
- Hydrogen and Oxygen Production Plant.
- Economic Operation of Boilers.
- Turbine and Boiler Control Circuits.
- Station UPS System.
- Station DC System.
- MS Project.
- Automatic fire fighting system.
- Industrial Safety Training.
- First Aid Training.
- Advanced Operation Training Shoubra El-Kheima Thermal Power Plant (4x325MW), Ansaldo Front & Rear Natural gas / HFO Fired, Natural Circulation Boiler, Westinghouse T/G.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2012 till now

Employer : MARAFIQ

Project : STG 5 & 6 – KSA, Yanbu

(2x275MW, Natural Circulation, HFO / ALC Fired "DOOSAN HEAVY INDUSTRIES DHI" design boiler natural drum type controlled circulation, including Boiler draft equipment 2 FD / 2 GR / CID fans, air heater, SCR, ESP, ASH Handling, FGD, HP/LP Bypass Systems, 3 Stages "DOOSAN" Turbine, H2 cooled Generator, Sea water cooled Condenser 7 Stages regenerator feed water Heaters, Main Circulating water System, Closed cooling water system, Sea Water supply system, Waste water system, sampling system, dosing System, Compressed air System, Emergency & Black Start diesel Generators & Yokogawa Centum VP - X4 Control system)

Job title : Power Generation Senior Operation Engineer

Job Description : My responsibility including and not limited of Pre-commissioning, Commissioning, Start-up and Operation activities as following:

- Supervise, control and co-ordinate all plant pre-commissioning and commissioning activities.
- To ensure timely and effective plant Commissioning / start-up in accordance with EPC established schedules.
- Review plant Commissioning / start-up / shut down of the plant and create Plant Standard Operating Procedures.
- Responsible for the overall administration and supervision of operation staff and operating Systems.
- Conduct regular meetings to discuss pre-commissioning and commissioning activities with Consultant and EPC.
- Ensure environmental Aspects and Impacts – Hazard Risk Assessment are carried out, controlled and updated.
- Provide hands on technical assistance in Commissioning / Operational activities.
- Assisted in the development, review and implementation of commissioning / operations procedures.
- Witnessing Factory acceptance tests FATs.

Dates : From Feb. 2010 till Feb. 2012

Employer : First National Opertaion and Maintenace Company "NOMAC" – KSA

Project : SIWPPIII – KSA

(The Shuaibah-III Independent Water and Power Project (IWPP) is the first IWPP under development in Saudi Arabia and the largest green field IWPP in the world, the 900MW light crude oil-fired power and 880,000 m3/day (194 MIGD) desalination plant)

Job title : Shift Charge Engineer III and acting Operation Manager

Job Description :

- Supervise, control and co-ordinate all plant operations activities to ensure timely and effective plant production in accordance with established schedules, quality, cost and time objectives.
- Responsible for safe start-up/shut down of the plant as per the Standard Operating Procedures.
- Ensure effective management and control of plant operating function, all chemical plant and operation-maintenance and laboratory activities in accordance with established contractual requirements.
- Responsible for the overall administration and supervision of operation staff and operating activities including planned shut down and starting of the plant in accordance with established work plans schedules and ensuring safety of all personnel and environment.
- Conduct regular meetings to discuss work progress, schedules, problems, interferences, priorities etc.
- Maintain reporting system which provides sufficient data to ensure that operations are being accomplished within the specified limits, schedules and technical parameters.
- Ensure environmental Aspects and Impacts – Hazard Risk Assessment are carried out, controlled and updated.
- Organize the plant to minimize risk to men, machine and material.
- Provide hands on technical assistance in operational activities.
- Coordinate with other Site engineers such as I&C, Mechanical and Electrical to properly execute all corrective / preventive maintenance / overhaul related activities.
- Coordinate activities with client representatives.
- Assisted in the development, review and implementation of operations procedures.

Dates : From Jun. 2008 till Dec. 2009

Employer : ANSALDO CALDAIE (S.P.A.) Company (Italy)

Project : Siemens AG & Doosan Shuaibah IWPPIII – KSA:

- The water plant combines 12MSF units (74,000 M^3/H for each multi stage flushing unit), 3 dump condensers, the sea water supply, the potabilization facilities the potable water storage tanks and outlet channels.
- The power plant combines 3 power units (3x400MW) Siemens back pressure steam turbine and generator, HP & IP turbine and OM650 Siemens AG Controller.
- 3 Boilers (3x660MW each) BMCR is 560KG/S each one Ansaldo Caldaie boiler manufactured, natural drum circulation, outdoor arrangement, opposite firing (front & rear) and tow pressure stages, including the ESP & FGD systems (electro static precipitator and flue gases desulphurization systems).

- 1 Auxiliary boiler BMCR is 90T/HR THREMAX Babcock and Wilcox manufactured.

Job title : Shift Charge Advisor

Job Description : My responsibilities are including the activities of pre-commissioning, commissioning, start-up and operation for plant and its auxiliaries as following:

- Supervise the operational testing, commissioning and start-up of the plant.
- Monitor and coordinate proceedings for system flushes, steam blows and pneumatic and hydrostatic testing.
- Follow present commissioning and operational schedules to fulfill quality, cost and time objectives.
- Monitor plant over all statues and take the necessary actions.
- Perform isolation and safety tag out of equipment.
- Train operators in the proper care of equipment.
- Development, review and implementation of operations procedures.

Dates : From May 2006 till May 2008

Employer : ALSTOM Power Company (France)

Project : Shuaibah Power Plant phase 2 (SPPII) – KSA:
Consists of 6x393MW Thermal Power Station Forced Circulation Boiler, Corners HFO/CO Fired CE Boiler Forced Drum type Controlled circulation included Boiler draft Equipments 2 FD, 2 ID, 2 GR Fans and 2 ESP (electrostatic precipitators) Air heater, HP/LP Bypass System, 3 Stages Alsom Turbine, H2 Cooled Alstom Generator, 7 Stages regenerator feed water heaters main Circulation water system & Alstom DCS control (ALSPA 320).

Job title : Shift Charge Engineer

Job Description :

- Monitor and coordinate proceedings for system flushes, steam blows, pneumatic, hydrostatic testing and substation operation.
- Carry out the operational testing, commissioning and start-up of the plant.
- Monitoring and following the reliable plant operation.
- Train operators in the proper care of the plant equipment.

Dates : From Dec. 2005 till May 2006

Employer : Arab Cables Company SEWEDY S.A.E.

Project : 10th of Ramadan City factory – Egypt

Job title : Shift Production Engineer

Dates : From Feb. 2005 till Dec. 2005

Employer : TSKJ Company (joint venture of Technip, Snamprojetti, KBR and Japanese gas companies) supplied from Techint Cimimontubi Company

Project : Nigeria Liquefied Natural Gas (NLNG) plus Project Trains (4 & 5), Bonny Island – Nigeria:
Consists of 2x4.2MM-MTPA LNG trains, 2 x Jetty loading facilities, Instrument air Compression, Nitrogen production & 2 x GE frame 6 GTG gas turbine Generators each generating 30MW of Power.

Job title : Commissioning & Operation Specialist

Job Description : Responsibilities included pre-commissioning, commissioning, initial start-up, operation of rotating equipments, the shutdown and isolation for general maintenance as required for units:

- Acid gas removal, hot oil furnace & incineration.
- Dehydration.
- Mercury removal.
- Heat transfer fluid system.
- Cooling water system.
- Tempered cooling water system.
- Instrument & tool air system.
- GTG.

Dates : From May 1996 till Feb. 2005

Employer : Egypt Electricity Holding Company (EEHC)

Project : Cairo West Power Plant:

- 2x330MW, Natural Circulation, Natural gas / HFO Fired B&H "Marubeni" design boiler natural drum type controlled circulation. Including Boiler draft equipment 2 FD / 2 GR fans, air heater, HP/LP Bypass System, 3 Stages Siemens Turbine, Siemens H2 cooled Generator, Soft water cooled Condenser 7 Stages regenerator feed water Heaters, Main Circulating water System, Closed cooling water system, Water supply system, Waste water system, sampling system, dosing System, Compressed air System, (ABB DCS control system) Emergency & Black Start diesel Generators, Auxiliary boilers system and Hydrogen Production system.
- 4x87.5MW, Natural Circulation, and Natural gas / HFO Fired B&W Boiler natural drum type controlled circulation. Including Boiler draft Equipment 2 FD / 1 GR fan, air heater, 3 Stages Westinghouse Turbine, Soft water cooled Condenser 5 Stages regenerator feed water heaters (DCS Bailey INFI 90 control system) and Westinghouse H2 cooled Generator.
- Cairo West GIS Substation:
  - Two Feeders 500KV.
  - Six Feeders 220KV.
  - Eight Feeders 66KV.
  - Two transformers 375 MVA (500/220KV).
  - Three transformers 125 MVA (220/66KV).
  - Two transformers 25 MVA (66/11KV).
  - Twenty Feeders 11KV.

Job title : Shift Charge Engineer

Job Description :

- Monitoring and following the reliable plant operation.
- Leading the operation staff and give the operation instruction to keep the plant running in safe conditions.
- Performing the technical analysis for equipments and logic defects.
- Performing isolation and safety tag out of equipment.
- Carrying out the operational testing, commissioning and start-up of the plant.
- Train operators in the proper care of the plant equipment.