

CONTACTS

 Agoncillo, Batangas, Philippines 4211

 +639778045006

 josephcaringal.balba@gmail.com

SKILLS

- Problem solving
- Technical & analytical leadership
- Troubleshooting
- Communication

LANGUAGES

- English & Filipino

EDUCATION

Technological Institute of the Philippines, Manila (2008 – 2013)

*Bachelor of Science in Electrical Engineer
- ABET Accredited*

JOSEPH C. BALBA

REGISTERED ELECTRICAL ENGINEER

Summary of Qualifications

An analytical leader with 8+ years of experience in a coal-fired power plant and carrying out the maintenance, troubleshooting, and installation of electrical components and systems. Excellent interpersonal and communication abilities, a practical problem-solving approach, and a drive to see things through to completion.

Work Experiences

✓ **Electrical Maintenance Section Head**

SOUTH LUZON THERMAL ENERGY CORPORATION
2X135 MW - CFB COAL FIRED POWER PLANT
(January 1, 2023 – Present)

- Plans major overhauls and shutdowns in coordination with the Operation and Maintenance execution, including forecasting manpower, spare parts, equipment, and duration to optimize the utilization of downtime of the Plant.
- Prepares scope of work for the required Supply and Service requests and reviews with a concerned specialist before proceeding with purchasing. Conducts technical discussions with vendors. Carries out technical evaluations of the submitted offers and recommends the purchase of the most suitable and efficient products after consulting the specialists. Review invoices as per purchase orders.
- Prepares and creates master data for the CMMS system, ensuring system records are updated for all equipment regularly.
- Liaises with Maintenance Quality & Services Section regarding pending work orders awaiting shutdowns or materials to implement or initiate required maintenance as conditions/constraints permit.
- Provides technical support, resources, and information as per requirements for carrying out various maintenance activities. It includes support to the Engineering Services Department for modifications and reliability.
- Participates in various meetings with Operation and Maintenance for the effective implementation of Maintenance Programs. Coordinates with

✓ **Electrical Maintenance Section Head - OIC**

SOUTH LUZON THERMAL ENERGY CORPORATION
2X135 MW - CFB COAL FIRED POWER PLANT
(February 22, 2022- December 31, 2022)

✓ **Electrical Maintenance Engineer, Sr. Specialist**

SOUTH LUZON THERMAL ENERGY CORPORATION
2X135 MW - CFB COAL FIRED POWER PLANT
(July 2, 2019 – February 21, 2022)

➤ **Electrical Maintenance Engineer (Boiler, Turbine and Balance of Plant)**

- Perform maintenance on electrical systems, as well as various electric-powered equipment. Performs scheduled maintenance programs and troubleshoot and repairs all electrical equipment and machinery. Additionally, conducts regular tests of new and existing electrical systems, equipment, and machinery both to spot potential problems and to ensure that systems are operating at their highest possible level of functionality. Demonstrated capability to identify potential plant improvement and determining/applying best practices in maintenance.

✓ **Permit Engineer**

SOUTH LUZON THERMAL ENERGY CORPORATION

2X135 MW - CFB COAL FIRED POWER PLANT

(July 2, 2018 – July 1, 2019)

- Ensures strict implementation of the PTW system and must have no PTW-related accidents. Ensures and keeps track of valid work permits and ensures closure of work permits on completion of work. Ensures expired work permits are closed, canceled, or renewed as the case maybe.
- Operates the Permit Office to reflect the current status of all permitted work and isolation. This includes maintaining the permit coordination board.
- Ensures that the information notified on the PTW documents is clear and complete. All the necessary risk control terms and conditions that are applicable to the type of work to be completed should be specified.
- Ensures that all precautions have been taken and put in place before the job, during the job, and after the job to ensure safe work conditions.
- Ensures proper lockout and tag out method is employed to ensure that the equipment is properly isolated and tagged for everybody's awareness of the ongoing activity.

✓ **Power Plant Operator**

SOUTH LUZON THERMAL ENERGY CORPORATION

2X135 MW - CFB COAL FIRED POWER PLANT

(April 23, 2017- July 1, 2018)

➤ **Field Operator (Boiler, Turbine, and Generator)**

- To monitor and assist the operation of the boiler, turbine, generator, and its auxiliaries at the field for the safe, reliable, economical, and efficient operation of the power plant in accordance with the plant standard operating procedures, instructions, and policies.
- Attends to all field operating equipment, panels, instruments, valves, compressors, pumps, motors, etc. in the boiler, turbine, generator, and BOP or common facilities during normal, start-up, shutdown, or emergency conditions.
- Collect and evaluate actual data and information from the operation and check for any deviation from established operating parameters set forth for this operation. Promptly inform the Shift Supervisor and control Engineer of any deviation and take necessary action to correct it.
- Report promptly to immediate superior all problems observed and encountered during operations and seek immediate assistance from maintenance personnel if problems at hand cannot be fixed.
- Responsible for the start-up and shutdown of boiler, turbine, generator, and its auxiliaries, including synchronization.
- Responsible for normal operation of the plant including load variations.
- Monitor and evaluate operating system parameters such as temperature, pressure, tank levels, and flow trend curves and make necessary.

✓ **Power Plant Operator**

KOREA ELECTRIC POWER CORPORATION (KEPCO - KPS Philippines)

2X135 MW - CFB COAL FIRED POWER PLANT

(May 25, 2015- April 22, 2017)

➤ **Field Operator**

- Prepares and line up system before start up and shutdown of the plant.
- Responsible for the operation of equipment of closed cooling water pump, condensate extraction pump, circulating water pump, boiler feed pump, heat exchangers, turning gear.
- Maintains turbine efficiency by adjusting manual valves, reading and interpreting gauges, indicators and steam flow meters.
- Maintains various Records, logbooks and log sheets < local/field data > and history of activities of the turbine area.
- Operate and adjust boilers in the steam generating plant, maintaining maximum boiler efficiency by adjusting, reading and interpreting gauges, indicators.
- Properly record plant operational metrics such as hourly readings on motors, gauges, indicators, thermometers...etc.
- Responsible for the operation of fans <primary/secondary fans, high pressure fluidizing fan and induced draft fans>, coal feeders, slag coolers, limestone/bed material system.

➤ **Switchboard Operator**

- Monitor the alarm system at DCS in order to ensure that secure condition is maintained.
- Isolate/de-isolate different kinds of breakers.
- Place standby EDG online in emergencies and monitor the temperature, output, lubrication, and cooling of the system.
- Manual start/stop of EDG during emergencies or if necessary.
- Adjust controls to generate specified electrical power or to regulate the flow of power between the plant and the grid.
- Conduct synchronization of the plant to the grid in coordination with the shift-in-charge and control room operator after synchronization parameters have been met.