

SHIFT ELECTRICAL ENGINEER (THERMAL POWER PLANT)

Nava Bharat Ventures Limited (NBVL), the flagship Company of multinational industrial Group headquartered in Hyderabad, India, is a diversified organisation with interests in Power Generation and O&M services, Ferro Alloys, Mining, Agri-business and Health Care services. The Company, nearing completion of five decades of successful operations, operates in different geographies spanning across India, South-east Asia and Africa.

The core values comprise conservation of energy & natural resources, environment protection, workplace excellence, maintaining high standards of operational efficiency, nurturing & retaining talent and community development around the manufacturing facilities with initiatives focusing on health, education and livelihood.

Maamba Collieries Limited (MCL), a Nava Bharat Group Company, has the largest coal mining concession and since commissioning in July 2016, operates the only coal-fired Thermal Power Plant in Zambia, adopting modern, eco-friendly mining and processing methods. As the largest Independent Power Producer in the country, the 300MW mine-mouth power plant at Maamba, caters to the growing demand for power and accounts for over 10% of the generation capacity, thereby contributing to the energy security and economic development of the nation. **Nava Energy Zambia Limited (NEZL)**, a step down subsidiary of the Nava Bharat Ventures Limited, in Zambia, does the O&M for the MCL's Thermal Power Plant.

NEZL requires experienced Shift Electrical Engineers for its above mentioned 2 x 150 MW Thermal Power Plants located at **Maamba, Zambia**.

A. PURPOSE AND SCOPE:

- ◆ Responsible for electrical operations of 2 x 150 MW Coal fired thermal power plant at Maamba, Zambia and ensure availability & uninterrupted supply of power as per the established quality standards for smooth generation of Power.

B. DUTIES AND RESPONSIBILITIES:

- ◆ Operations of 2x150 MW Generators & electrical auxiliaries
- ◆ Safe start up and shutdowns of all the electrical equipment including transformers, motors, switchgear, switchyard in the power plant.
- ◆ Synchronization of generators with grid
- ◆ Isolation of the equipment and preparation of the Permit to Work procedures.
- ◆ Safe handling the power plant during emergency conditions like blackout & unit trip conditions.
- ◆ Coordination for power evacuation
- ◆ Operations of Diesel generator sets & emergency power supply extensions to the power plant emergency equipment
- ◆ Operations of 330 KV switchyard.

- ◆ Operation of DC Battery banks.
- ◆ Operation of the Coal handling plant & lime handling plants
- ◆ Operations of the Electrostatic Precipitator & Ash Handling Plant systems
- ◆ Shift maintenance of the Power Plant equipment during emergency abnormal conditions.
- ◆ Calculations of the plant performance & individual equipment performance and auxiliary consumptions
- ◆ To manage entire Electrical operations with key focus on the optimal utilization of resources.
- ◆ To analyze trip outs / faults / outages & skill to handle emergencies of a Power Plant equipment

C. Competencies: (Functional)

- ◆ Knowledge of Thermal Power Plant & its Electrical Equipment
- ◆ Planning & Organizing
- ◆ Forecasting abnormalities
- ◆ Trouble shooting ability
- ◆ Analytical skills
- ◆ Interpersonal & communication skills

D. Requirements

B.E. / B.Tech / Diploma (Electrical Engineering) with 8 to 12 years of experience in the Electrical Operations of Thermal Power Plant.

E. Application Procedure

Interested candidates with requisite qualification & experience can submit their CVs to jordan@navaenergy.in. While submitting the CV, the candidates are requested to mention the subject line as "Recruitment of Shift Electrical Engineer, Maamba, Zambia".