

## **CONTROLS & INSTRUMENTATION (C&I) MAINTENANCE 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 C&I Maintenance Engineers for its above mentioned 2 x 150 MW Thermal Power Plants located at **Maamba, Zambia**.

### **A. PURPOSE AND SCOPE:**

- ◆ Responsible for maintenance of Controls & Instrumentation in 300 Megawatts 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:**

- ◆ Preventive, predictive, break down & shutdown maintenance of CFBC boiler control system, Steam Turbines & their auxiliary equipment control system and BOP control system.
- ◆ Trouble shooting of Logics of Boiler & Turbine equipment in Distributed control system.
- ◆ Maintenance of the Power Plant Programmable Logic control systems.
- ◆ Maintenance of the power plant C&I equipment inclusive of Flame scanners, Ignitors, Coal feeders, Acoustic Tube leak detection system, Continuous Emission monitoring system, Turbo Supervisory system, Emergency Trip System, Master Fuel Trip system, HP/LP Bypass system, Drives Vibration monitoring system, Etc.,

- ◆ Maintenance, Calibration & Troubleshooting of various field instruments including Pressure Transmitter, RTD, TC, Level Transmitter, Flow Transmitter, Flow Meter, Switches & Gauges, Analyzers, etc.
- ◆ Calibration & Maintenance of Electrical & Pneumatic Actuators
- ◆ Water Systems (DM & Raw water) and Material Handling system (CHP, LHP & AHP) field instrumentation maintenance.
- ◆ Maintain and monitor C&I spares & consumables to enable smooth functioning of the power plant & control cost of maintenance.
- ◆ Develop & follow Standard Maintenance procedures.
- ◆ Carry out additional modifications in Logics & Graphics for improving availability & convenience of operations.
- ◆ Fault Analysis & trouble shooting of equipment – Avoid repetition of failures
- ◆ Forecast problems and taking prior remedial actions
- ◆ Lead a team of maintenance technicians and motivate / train them for better performance and output

The incumbent will be reporting to the Head C&I Maintenance.

**C. Competencies: (Functional)**

- ◆ Knowledge of Thermal Power Plant Controls & Instrumentation
- ◆ Logics, Interlocks & Protections
- ◆ DCS & Field Instrumentation
- ◆ Planning & Organizing
- ◆ Forecasting abnormalities
- ◆ Trouble shooting ability
- ◆ Analytical skills

**D. Requirements**

B.E. / B.Tech / Diploma (Electronics & Communication / Instrumentation Engineering) with 8 to 15 years of experience in C&I maintenance of Thermal Power Plants.

**E. Application Procedure**

Interested candidates with requisite qualification & experience can submit their CVs to [jordan@navaenergy.in](mailto:jordan@navaenergy.in). While submitting the CV, the candidates are requested to mention the subject line as “Recruitment of C&I Maintenance Engineer, Maamba, Zambia”.