

TURBINE DESK ENGINEER (THERMAL POWER PLANT)

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

The core values comprise conservation of energy and natural resources, environment protection, workplace excellence, maintaining high standards of operational efficiency, nurturing and 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 Turbine Desk Engineers for its above mentioned 2 x 150 MW Thermal Power Plants located at **Maamba, Zambia**.

A. PURPOSE AND SCOPE:

- ◆ To be responsible for the operation of Turbine and its auxiliaries at 2 * 150 MW Thermal Power Plant in Zambia and ensure availability and uninterrupted supply of power as per the established quality standards for smooth generation of Power.

B. DUTIES AND RESPONSIBILITIES:

- ◆ Maintain Generation of units as per approved export power schedule.
- ◆ Monitoring all equipment parameters.
- ◆ Identification of deviation in Turbine operation parameters and take appropriate action for normalization.
- ◆ Operation of CW, ACW, Cooling Tower fans and monitoring CT Sump level.
- ◆ Operation of Firefighting system, Monitoring Clarified water storage tank and CST levels.
- ◆ Operation HVAC systems.
- ◆ Log all parameters periodically and noting down activities taken place during shift.
- ◆ Coordinate with Field operators and giving correct directions to them.
- ◆ Monitor flow of water and steam, reference with Heat and Mass balance diagrams.
- ◆ Coordinate with Boiler Desk operation engineer to get required input parameters from Boiler.

- ◆ Adhere to all laid down Safety, Health and Environmental standards, practices and procedures.
- ◆ Register defects in defects register.
- ◆ Inform all abnormalities to Shift Charge Engineer.
- ◆ Check Healthiness of all standby equipment and work place and ensure complete availability of the same.
- ◆ Analyze root cause of the abnormalities / trips & suggest corrective actions
- ◆ Ensure good housekeeping in control room
- ◆ Forecast problems and taking prior remedial actions.
- ◆ Suggest Heat rate improvement ideas.
- ◆ Work towards reduction of auxiliary consumption & DM water consumption

The incumbent will be reporting to the shift Charge Engineer.

C. Competencies: (Functional)

- ◆ Knowledge of thermal power plant operation
- ◆ Turbine DCS hands on experience.
- ◆ Knowledge on Turbine normal, emergency and startup operations.
- ◆ Familiarization with all the protections and interlocks.
- ◆ Familiarization with all the P & I ds.
- ◆ Forecasting abnormalities
- ◆ Trouble shooting ability.
- ◆ Analytical skills

D. Requirements

B.E. / B.Tech / Diploma (Mechanical / Electrical Engineering) with 6 to 8 years of experience in Turbine Desk Operations in a Thermal Power Plant of (single unit) capacity 100MW+.

E. Perks and Benefits

The Annual CTC (*equivalent to Rs 7.5 to 10 lakh per annum*) is inclusive of;

1. Performance Linked Variable Pay (PLVP) of 10 to 15 %, paid at the end of the year based on the individual & Company performance and
2. 25% Gratuity, paid at the end of 2 year contract period

Above details are Indicative & subject to change.

The above CTC does not include accommodation & Food charges.

F. Application Procedure

Interested candidates with requisite qualification & experience can submit their CVs to hr@nbv.in. While submitting the CV, the candidates have to mention the subject line as "Recruitment of Turbine Desk Engineer, Maamba, Zambia".