

03 nos. of Associate Positions for retired executives from PSUs/Govt. Organisations/Organisations of repute for Thermal Modelling for Boiler Performance Optimization, to be positioned at RIO-Trichy

A. Expert in Thermal Designing of Boiler

Required Qualification: Degree in Mechanical/Electrical Engineering.

Minimum years of Experience required: Minimum 30 years of work experience. Applicant must have General Manager level working experience.

Experience profile of the candidate: Thermal design of coal fired boilers and should have been associated in developing plant performance optimization work and design of coal fired supercritical boilers.

Job Profile: The incumbent shall be part of the Project Engineering-Mechanical (Boiler & Auxiliaries) team and will work closely with Station Engineering and other functional groups of NTPC for development of thermal modelling for coal fired boilers.

The expertise can be utilized to develop the modelling by developing the empirical formulas, thermodynamic equations, logarithmic equations, curves, constants of calculations and iterations. The model shall be capable of analysing different operating scenarios like different loads, mill combination and coal parameters and shall be able to suggest optimized settings. Since the model developed will be site specific, coal specific operating constraints can also be built in the model. Further the present load swings with renewables can also be modelled leading to the optimized operation of the unit resulting in fuel savings.

Period of engagement: 01 year

Upper age limit: 64 years

Applicants are required to submit their biodata including, DOB, Qualifications, designation/grade/level wise experience details with period of experience and name(s) of Organisation/department, Contact details through email mentioning subject as "**Associate Position: A/13/21**" at recruitment@ntpc.co.in

Application Start Date: **24.12.2021**

Last date of application: **02.01.2022**

B. Expert in C&I related Design of Boiler

Required Qualification: Degree in Electronics Engineering/ Electrical & Electronics Engineering/Instrumentation Technology.

Minimum years of Experience required: Minimum 30 years of work experience. Applicant must have General Manager level working experience.

Experience profile of the candidate: Control & Instrumentation design of sub-critical and supercritical boilers including flexible operation of power plants.

Job Profile: The incumbent shall be part of the Project Engineering-Mechanical (Boiler & Auxiliaries) team and will work closely with Station Engineering and other functional groups of NTPC for development of thermal modelling for coal fired boilers.

The expertise can be utilized to develop the modelling by developing the empirical formulas, thermodynamic equations, logarithmic equations, curves, constants of calculations and iterations. The model shall be capable of analysing different operating scenarios like different loads, mill combination and coal parameters and shall be able to suggest optimized settings. Since the model developed will be site specific, coal specific operating constraints can also be built in the model. Further the present load swings with renewables can also be modelled leading to the optimized operation of the unit resulting in fuel savings.

Period of engagement: 01 year

Upper age limit: 64 years

Applicants are required to submit their biodata including, DOB, Qualifications, designation/grade/level wise experience details with period of experience and name(s) of Organisation/department, Contact details through email mentioning subject as **"Associate Position: B/13/21" at recruitment@ntpc.co.in**

Application Start Date: **24.12.2021**

Last date of application: **02.01.2022**

C. Expert in Performance Evaluation of Boiler

Required Qualification: Degree in Electronics Engineering/ Electrical & Electronics Engineering/Instrumentation Technology.

Minimum years of Experience required: Minimum 30 years of work experience. Applicant must have General Manager level working experience.

Experience profile of the candidate: Performance evaluation for Boilers, Plant Analysis Diagnosis and Optimization, Integration and demonstration of closed loop testing.

Job Profile: The incumbent shall be part of the Project Engineering-Mechanical (Boiler & Auxiliaries) team and will work closely with Station Engineering and other functional groups of NTPC for development of thermal modelling for coal fired boilers.

The expertise can be utilized to develop the modelling by developing the empirical formulas, thermodynamic equations, logarithmic equations, curves, constants of calculations and iterations. The model shall be capable of analysing different operating scenarios like different loads, mill combination and coal parameters and shall be able to suggest optimized settings. Since the model developed will be site specific, coal specific operating constraints can also be built in the model. Further the present load swings with renewables can also be modelled leading to the optimized operation of the unit resulting in fuel savings.

Period of engagement: 01 year

Upper age limit: 64 years

Applicants are required to submit their biodata including, DOB, Qualifications, designation/grade/level wise experience details with period of experience and name(s) of Organisation/department, Contact details through email mentioning subject as **“Associate Position: C/13/21” at recruitment@ntpc.co.in**

Application Start Date: **24.12.2021**

Last date of application: **02.01.2022**