

Webinar on:
**“How to Evaluate Improvements to the Performance of
Boilers and Steam Turbine systems”**

Registration Fee (including GST):- Rs. 99/-

Expert Speaker: –

- 1) Mr. R. Muthukrishnan, Empanelled Consultant of NPC
- 2) Mr. Avijit Nayak, Deputy Director, NPC

About Webinar: -

We all know that the key energy influencing parameters of a boiler are the stack temperature and the oxygen content in the flue gas. But do we know what is the effect of incremental changes to these parameters on fuel consumption and the boiler efficiency. Similarly, in the steam turbine systems, several energy influencing variables such as inlet steam temperature, isentropic efficiency, cooling water supply temperature, etc. play a major role in steam consumption per unit of power generated. But do we know what changes should be done to which parameter to get the targeted efficiency of the boiler or the targeted steam consumption per unit of power generated from the steam turbines.

Webinar Coverage: -

This webinar explains a step by step calculation procedure using Excel worksheet for the following:

- Calculating boiler efficiency using direct and indirect methods using coal as fuel.
- Calculating the isentropic efficiency of a condensing cum extraction steam turbine.
- Learn to do a sensitivity analysis using energy influencing variables on the energy performance of boilers and steam turbines.

Register to learn:

- Know the calculation procedure for boiler efficiency using direct and indirect method using coal as a fuel
- Know the calculation procedure for isentropic efficiency of a steam turbine on condensing and extraction modes.
- Understand the quantitative effect of energy influencing variables on the performance of the boiler and steam turbines.

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Thanks & Regards

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