

# 66

# 2 DAY ONLINE PRACTICE TRAINING COURSE ON BOILER EFFICIENCY CALCULATION

4TH & 5TH DECEMBER  
2021

FEES ONLY RS 1000+ GST

**CONTACT US**

**Register Now**

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National Productivity Council

# TOPICS COVERAGE - DAY 1

## PRACTICE SESSION ON BOILER EFFICIENCY CALCULATIONS

DAY 1 - 04 DECEMBER 2021

<b>Time</b>	<b>Content</b>	<b>Details</b>
10:00 am to 1 PM	Types of Boilers	Stroker Fired /AFBC/CFBC/PF and its Mountings
	Steam System	Enthalpy equation, Rankin Cycle Steam Properties, Latent, Sensible Steam Enthalpy, Entropy, Rankine Cycle PV & TS Diagram
	Steam Properties	Properties of Steam, Types of Steam Traps, PRDS <u>Calculation</u> , D/A Operation, Enthalpy & Entropy Calculation
1-2 PM	LUNCH	
2:00 to 5.30PM	Fuel & Combustion	Coal GCV/ <u>NCV</u> , Unburnt in Fly ash & Bottom Ash , LDO Burner skid , Boiler Cold Start up Procedure Furnace Burner , Turn Down Ratio, Circulation Natural , Forced Circulation

# TOPICS COVERAGE - DAY 2

DAY 2 – 05 DECEMBER 2021

DAY 2 – 05 DECEMBER 2021		
10 am to 1 PM	Boiler Performance	<b>ASME PTC 4.1 for <u>Coal</u>, WHRB and Gas Fired Boilers, Economiser Efficiency , Boiler efficiency &amp; SH Efficiency , Boiler Blowdown Calculation &amp; Safety Valve B/D Calculation</b>
	Draught & Chimney	<b>Furnace Draft, <u>Chimney</u> , SPM, ESP and its Protection      Calculation of Chimney heights, Draught velocity</b>
LUNCH		
2:00PM to 5:30PM	Condenser	<b>Types of Condensers, Vacuum, vacuum efficiency, Cooling water flow calculation</b>
	Power Plant Performance & Strength of Materials	<b>Heat Rate calculation , Unit Cost Calculation Coal Saving , Pay Back Period Calculation &amp; Numerical of Strength of Materials</b>