



# One-Day Training Programme on Water Chemistry Control (DM Water, Soft Water, Raw Water), Boiler Water, Fuel Chemistry and Management of Biomass Co-firing

 **13th June, 2026**

 **Evolve by TCR**  
215, Pancham Icon,  
Vasna Road, near D-Mart,  
Vadodara, Gujarat 390007

 **Fees: INR 10,000/-**  
for single person +  
GST 18% extra.

 **10% Discount** on total  
amount of invoice for 03  
or more nominations from  
the same organization.

## Course Content

- Water Sources and Characteristics
- Preparation of Different Water Types
- DM Water Generation via Ion Exchange, via Reverse Osmosis (RO) and from Seawater
- Boiler Water Chemistry and Key Operational Parameters
- Low-Pressure (LP) Dosing, pH Control, and Dissolved Oxygen Analysis
- Silica Management and Steam Purity Control
- Drum Internal Inspection and Shutdown Deposit Analysis
- Deaerator Internal Inspection Techniques
- Chemical Cleaning of Boilers
- Alkali Boil-Out Procedures
- Boiler Preservation Methods – Short-Term and Long-Term

## Who Should Attend

- Boiler and Utility Engineers
- Water Treatment Plant Operators and Chemists
- Operation and Maintenance (O&M) Personnel
- Inspection and Quality Assurance Engineers
- Environmental and Safety Professionals

## Objectives of the Training Programme:

- Identify and characterize industrial water sources
- Develop expertise in demineralized (DM) water production technologies
- Apply advanced filtration and desalination techniques
- Master the principles of boiler water chemistry control
- Implement effective chemical dosing strategies
- Monitor and control silica levels and steam purity
- Understand failure mechanisms in boiler components
- Conduct comprehensive drum and deaerator inspections
- Plan and execute chemical cleaning and alkali boil-out procedures
- Establish robust boiler preservation protocols

# Meet The Faculty



## Mr. Paresh Haribhakti, MD

- He holds a postgraduate degree in Materials Technology from M.S. University, equipping him with deep technical insight into metallurgy and materials science. As Managing Director of TCR Advanced Engineering Services, he brings decades of metallurgical expertise and has resolved over 9,500+ complex industrial failures, many involving boiler systems and water chemistry-related degradation.
- He is the author of "Failure Investigation of Boiler Tubes: A Comprehensive Approach", published by ASM International, USA, and is widely respected for promoting predictive maintenance and failure prevention. His contributions to global conferences and technical journals reflect a strong commitment to advancing industry knowledge—making him a highly relevant and authoritative trainer for this program.

## Subject Matter Expert (Another Faculty)

- He holds a B.E. in Thermal Power Plant Engineering from NPTEL, Durgapur, and brings over 16 years of hands-on experience in boiler and utility O&M across thermal power plants and petrochemical sectors. He is a Certified Energy Auditor (2014), a Boiler Operation Engineer (BOE), and an IBR Competent Person authorized by the Central Boilers Board, New Delhi—a statutory recognition affirming his authority to inspect and certify boiler systems under Indian Boiler Regulations. He is also a Lead Auditor for ISO 50001:2018 (EnMS).
- A former commissioning engineer with M/s Thermax, and a faculty for BOE and Energy Management since 2019, he offers critical insights into boiler operations, safety compliance, and chemistry control—making him an ideal expert for this training program.



## Subject Matter Expert (Another Faculty)

- M.Sc. (Chemistry) | Senior Power Plant Chemistry Expert with 25+ years of experience in thermal power plants (up to 600 MW), specializing in boiler chemistry, corrosion control, and BTL investigations.
- He links fuel, water, and steam chemistry with damage mechanisms like FAC, fireside corrosion, overheating, and deposits—supporting effective KBA and boiler integrity assessment.
- With strong hands-on expertise in troubleshooting, root cause analysis, and life-extension strategies, he helps prevent failures and improve reliability, delivering practical, case-based sessions aligned with real plant challenges.



## For NFET/ RTGS/ Bank transfer:

**Account No:** 05730400000034  
**IFSC:** BARB0INDMAK (5th letter is zero)  
**Bank:** BOB, Makarpura Branch  
**Merchant Name:** TCR ADVANCED ENGINEERING PVT LTD  
**UPI ID :** tcrad93762@barodampay



QR code for payment