1. Course Details:

Course Code : ICPE-019
Course Title : Water Treatment Operation
Course Duration : 5 Days

2. Course Overview:

- Water treatment plant operators have vital roles in ensuring the health and wellbeing of the communities in which they service. Some of these services are often taken for granted.Course is designed to train operators to safely and effectively operate and maintain drinking water treatment plants.

3. Learning Outcomes:

- Obtain n and apply knowledge on industrial water treatment
- Gain a detailed knowledge of industrial treatment techniques
- Apply techniques on specific problems

4. Course Contents:

- Water Composition
- Principal Ions & Measurement methods Water Quality
- legal 8asis for Control
- Sample Problems
- Effects of Pollution
- Flow Measurements & Open Channel Hydraulics Sampling and Statistical Considerations Aquatic Chemistry
- Important Chemicals in Water
- Metals in Water
- Filtration Theory and Practice
- Depth Filters, Skin filters, Hydraulics of Deep Bed filters & Washing Filter elements and design
- Disinfection
- Removal Techniques
- Mixed Media and Attached Growth
- Introduction to Membrane Separations and Micro Filtration Reverse Osmosis
- Materials of construction
- Flocculate on and Mixing
- Modeling
- Waste Topics

- Oily Wastes, Blood Wastes; Milk Wastes
- Refinery Wastes, Metal Plating Wastes
- Phenols and Chemical Plant Wastes
- Small Waste Flows
- Specialty Issues and Problems

5. Our Methodology:

- Make coaching and monitoring innovative and using modern
- Media training also using on the go training by using interactive means and focusing on
- The exercises, practical applications and real situations study.
- Live delivery method, instructor-led training.
- Experienced consultant, trainers, and professional.
- Qualified trainer with high-level experience

6. Attendance Reports:

- Send daily attendance reports to trainingdep
- Send full attendance report to training dep. by the end of thecourse
- Attend 100 % from the course days also providedaily
- Issue attendance certificate for participant who attend minimum 80% from the course duration

7. Pre/Post Reports:

- Pre- assessment before starting training.
- Post assessment after finish training
- Full report for the deferent between Pre-& Post assessment

8. Who Should Attend?

- Engineers & Technicians involved with Steam Turbines