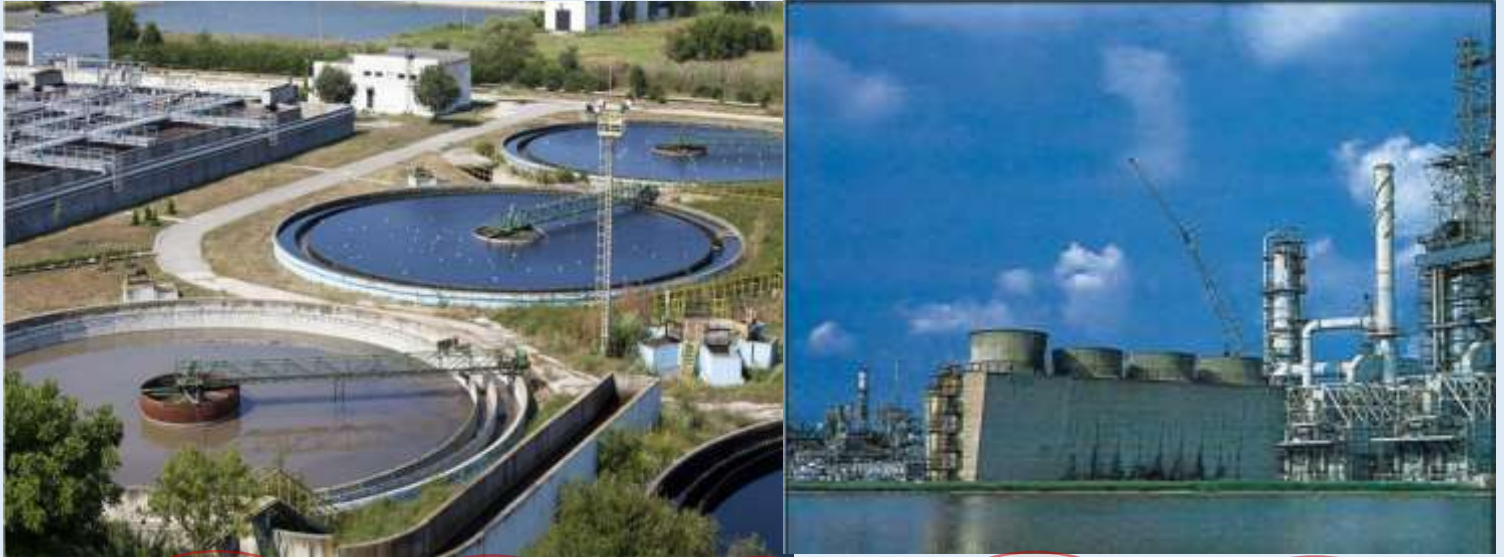


Presents,

CIN: U52603KA2018PTC112946

***Integrated Water Management Framework and water audits for Industries***

Workshop focused upon water and waste water management in industrial sectors



Current Industrial Water use is about 18% of total freshwater withdrawal

Water Demand for industrial uses and energy production growth was 5.6% in 2019

Industrial Water Demand about 200 billion cubic meters (Estimated)

Expected Demand about 250 billion cubic meters by 2025

Falling per Capita water availability to 1300 cubic meters

**Juschem Solutions** was established as a knowledge company to deliver tailored courses and trainings as solutions to help increase the productivity, performance and profitability of Power Stations and Water Utilities and services related businesses and organizations in India. The company has experience in helping organizations develop their human capital in fields related to Water and waste water management, water treatment & Power Generation areas.

**Juschem Solutions** believes in a comprehensive approach – **becoming a part of our client's business and knowing as much about their operations and challenges as possible and finding the solutions.** We want to support our esteemed customers in meeting their needs and most importantly achieving their goals in improving bottom line results and to sustain the competitive advantage in the market.

**Juschem Solutions** also believes in customizing and developing innovative and diversified training programs through a collaborative process designed to identify corporate clients' needs, requirements and objectives. The unique approach combined with the strong faculty of experts, competent trainers, multilingual facilitators puts our company in the position to spur the progress of establishment.

## About the Program

Water sector today faces major challenges with declining per capita water availability in many Asian countries and stands stressed with rising water demand mainly from the competing agriculture, domestic and industrial sectors. The freshwater withdrawals are expected to rise the world over (by 2025), by around 50% in developing countries and by 18% in developed countries. During the past 50 years, per capita availability has declined by 60% in North Asia and 55% in Southeast Asia. This implies effective and efficient water management, access to safe drinking water and sustainable development of the economic sectors. The course contains several important topics including physical, chemical and biological water treatment methods, in addition to the latest technologies and know how transfer regarding the Best Available technologies (BAT) in water treatment & purification. Delivered by experienced industry experts our professional training courses help candidates to develop the skills and practical knowledge required to fulfil their water management responsibilities with confidence.

### Course Content

#### Day 1

- The Context
- Need for an integrated water management framework
- How to Use this Framework
- The Approach to the Framework
- Assessment
- Identify Interventions
- Prioritize and Implement
- Monitor & Evaluate
- Case Examples of Enhancing Water Use Efficiency in Industrial Sector

#### Day 2:

- Introduction to water audit
- Rationale
- Scope and Objectives
- Operating procedures
- The Water Balance
- Definition of Key Variables in the Water Balance
- Importance of Computing the Water Balance
- Benefits of Non-Revenue Water Reduction
- Practical Water Audit Report Writing and
- Understanding the Water Balance
- Example of a Typical Water Balance of Water Balance

**Expert Profile:** Mr. S Banerjee – Mr. S Banerjee is a seasoned power plant Chemistry and water treatment professional with in-hand experience of about 25 yrs after passing M.Sc. Applied Chemistry from Government Engineering College, Jabalpur in 1995. He has worked with India's Pioneer Water Treatment Company and with Giant Private Power Generators in India viz. Tata Power, Adani Power, Jindal Power, LPGCL as HOD Power Station Chemistry and Environment. He has both experiences of sub critical and super critical power plants, commissioning-O&M and troubleshooting of water treatment plants, boiler water, cooling water, stator water and waste water. He was also associated with a reputed Institute of Power Technology as a faculty on Water treatment and Power Plant Chemistry. He has presented many papers on water treatment, power plant chemistry and water management in national seminars and magazines and also written a **book "Practical Guide to Thermal Power Station Chemistry"**.

**He has imparted training to 1000+ people from GHCL, BASF, Torrent power, Numligarh refineries, Century paper, J K Cement, Delta paper mills, Forbes Marshall, Green star fertilizer, Vasavdutta Cement, Tamil Nadu Paper Ltd, PWD Mumbai, BPCL Mumbai, BPCL Kocchi, IFFCO, reliance power, reliance petroleum, MRPL, CLP, Dalmia Cement, National Fertilizers- Naya Nangal, National Fertilizers- Panipat, Berger Paints India Limited, Gharda Chemicals Ltd, Fermenta Biotech Limited, KEPCO Plant Service & Engineering Co., Ltd, JBF Industries Limited, P.I Industries, CESC, Bengal electric company, Bhushan power and steel ltd., JSW, KPCL BTPS, TAQA-Neyveli Power Pvt Ltd. Cirebon Power Services (Indonesia), many companies in Kenya and Uganda, NTPC, Tata Power, L&T Power and more...list is growing**

### **By the end of this training seminar, the participants will be able to:**

Attendees will learn the methods and technologies to economically control water and revenue losses

- Demonstrate adequate understanding of scientific problems involved in the management of water.
- Combine a range of science and management methods for integrated water resources management issues
- Adequately apply management fundamentals to solve current problems and to anticipate, mitigate and prevent future problems in the area of water resources management
- Recognise and adequately appreciate social, political, economic and environmental impacts on water resources management
- Communicate satisfactorily both orally and in writing, the nature of, and solution to, water resources management issues and problems.
- The physical, chemical, and biological processes involved in water treatment and distribution

### **Organisational Benefit:**

- Improvement in regulatory compliance, Reduction in OPEX and improvement in sustainability

### **Who may attend?**

- This training seminar is suitable to a wide range of professionals and will greatly benefit:
- Operation, technical production & service professionals
- Technical professionals responsible for Operation and maintenance; Professionals involved in inspection and reliability
- Technical professionals dealing with risk assessment and integrity analysis Technicians dealing with regulating and metering and other measurements
- Water Utility Managers
- Water Distribution Managers & Leak Detection Supervisors
- Customer Service/Customer Metering Managers and Supervisors
- Engineers
- Water Conservation Specialists
- Utility Board Members

### **Venue & Duration of the Program:**

**Venue:**

**Duration:**

### **Training Charges & Payment Mode:**

### **Accommodation:**

### **Service Offered by Juschem Solutions**

#### **Advisory Service**

- Industrial water audits
- Water conservation projects in commercial buildings
- Water audits and feasibility studies in municipal sector
- Facilitating implementation of "zero water discharge"
- Water footprint study
- Benchmark study
- Benchmarking studies on water utilities

### **How to Register: Will be Mutually agreed / on Demand**

**How to Reach: Please write to us email: [contact@just-chemicals.com](mailto:contact@just-chemicals.com)**

**Phone/WhatsApp: +91 7985635683**

**Website: [www.just-chemicals.com](http://www.just-chemicals.com)**