



Tti Testing Laboratories

ISO/IEC 17025 Accredited Testing Laboratory
SO/IEC 17020 Accredited Inspection Body
CPSC Accredited Testing Laboratory
EPA Certified Testing Laboratory
OGRA Approved Lab
PSQCA Approved Inspection Agency

TECHNO-ECONOMIC EVALUATION OF WASTE WATER TREATMENT TECHNOLOGIES FOR

ZDHC **ZERO DISCHARGE OF HAZARDOUS CHEMICALS**

The ZDHC Roadmap to Zero Programme (ZDHC) is a collaboration of brands, value chain affiliates and associates committed to eliminating hazardous chemicals from the textile, apparel and footwear value chain.

Recognizing the significant environmental and health impacts of hazardous substances that may be discharged into the environment during the manufacturing processes of textile, apparel and footwear products, ZDHC addresses both conventional wastewater pollutants & priority harmful chemical substances. This is applicable to wastewater & Sludge produced from wastewater treatment operations of textile, apparel & footwear suppliers with wet processing facilities including, but not limited to:

- Textile Dyeing & Finishing
- Yarn Dyeing
- Laundry, washing & finishing facilities
- Printing facilities
- Vertical Finished goods manufacturing facilities with wet processes.

With the goal of zero discharge of hazardous chemicals for all products across all pathways in supply chains by 2020, wastewater treatment becomes a substantial issue. Wastewater Treatment of apparel & footwear industry is complex and consists of various processes and techniques all which have significant CAPEX & OPEX. The need of the time is to focus on customized wastewater treatment solutions based on Industrial Needs and Budget Available. Our training will focus on both the Technological Advances in Wastewater treatment technologies as well as the Costs associated with it from Designing to Installation Phase. This comparison will allow our audience to be better prepared and choose the right solution for their Wastewater Treatment Needs.

OUR SESSION WILL BE DIVIDED INTO TWO PARTS:

Day 01:

- Introduction ZDHC Standards & Guidelines for Wastewater & Sludge
- Textile Industry Wastewater Characteristics
- Wastewater Treatment Plant Baseline Study
- Wastewater Treatment Technologies
- Comparison of CAPEX of Wastewater Treatment Technologies

Day 02:

- Comparison of OPEX of Wastewater Treatment Technologies
- Summary and comparison of Financials of Installing & Running WWTP
- Case Studies with WWTP Installation and Operation Experts

WHO SHOULD PARTICIPATE?

CEOs, Directors, Compliance Manager, Effluent treatment Plant Managers.

TRAINER PROFILE:

Mr. Saad Shahid

Mr Saad Shahid is currently leading the environmental division of Tti Testing Laboratories. He is an Environmental Monitoring and Evaluation Expert with more than 10 years diversified experience in the field of Environmental Monitoring, Wastewater Testing, Treatment, Reuse and Research. His basic area of research is Wastewater Treatment through conventional & novel methodologies at Laboratory, Pilot & Industry Scale. Moreover he has worked in multiple International & National organizations as Main Technical Lead when it comes to Environmental Monitoring, Testing & Treatment of wastewater as well as Air emissions. He is Masters in Chemistry with MPhil and currently pursuing PhD in Environmental Sciences as well.

TIMING: 10:30 – 5:30

TRAINING INCLUDE CERTIFICATE, HANDOUTS, TEA & LUNCH.

VENUE:

Tti Auditorium, 347-S, Quaid e Azam Industrial Estate Kotlakhpat, Lahore.

For Registration Please Contact

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WATER TREATMENT TECHNOLOGIES FOR**

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Training Fee:

USD 140+GST/ Participant

Training Date

17th- 18th Jan 2020

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