



Training Program on “Handling Effluent Treatment Plants and Analysis of Industrial Wastewater for Textile and Apparel Industry”

Northern India Textile Research Association (NITRA) is one of the prime textile research institutes in the country. The textile industry and the Ministry of Textiles, Govt. of India jointly established NITRA in 1974 for conducting applied scientific research and providing support services to the Indian textile industry.

NITRA has six NABL-accredited (ISO/IEC 17025:2005) and BIS-recognized laboratories. All are equipped with state-of-the-art Testing equipment and work 24*7. Testing is done as per IS, ASTM, DIN, BS, ISO, JASO, AATCC, EN, and other customized standards.

Due to the tremendous increase in population, water sources are decreasing. To prevent the scarcity of water, we should conserve more and more water. Wastewater recycling must be promoted by reducing polluting discharges into surface water.

Zero-liquid discharge (ZLD) is a water treatment process in which all wastewater is purified and recycled; therefore, leaving zero discharge at the end of the treatment cycle. Zero liquid discharge is an advanced wastewater treatment method that includes ultrafiltration, reverse osmosis, evaporation/crystallization, and fractional electro-deionization.

OBJECTIVE

People working in effluent treatment plants and environmental analytical labs play a vital role in handling, troubleshooting, analysis, and decision-making. Unless they are exposed to advanced wastewater treatments, testing, and analysis of industrial wastewater with the latest techniques/methods along with the handling of effluent treatment plants, they may not be able to deliver outputs in an efficient and effective manner.

To provide basic training on the handling of effluent treatment plants and implementation of ZLD system, NITRA has designed a program on wastewater

treatment and its analysis considering the requirement of ZLD, which comprises the points given in brief coverage.

BRIEF COVERAGE

1. Textile and Apparel industries Wastewater Treatment Fundamentals

- This will cover the introduction, definition, standards, pollutants, characteristics, and parameters.

2. Waste water Treatment Unit Operation

- This will cover details of physicochemical/bio-chemical, biological treatment processes, sludge management, and ZLD system.

3. Testing of Industrial Water (Theoretical and Practical)

- This module will cover all the tests performed in the environmental laboratory as per standard specifications and methods based on APHA and IS.
- The parameters covered include the sampling process of water, pH value, Conductivity, Turbidity, Total Solids, Volatile & Fixed Solids, Total Dissolved Solids, Total Suspended Solids, Chemical Oxygen Demand, Biological Oxygen Demand, Oil & Grease, Total Hardness & Magnesium Of Water, Alkalinity, Chlorides, Sulphates.

WHY NITRA

NITRA's team is highly skilled with good experience and prolonged exposure to wastewater treatment in a vast range of industries. NITRA provides complete consultancy for ZLD Systems, CETP, ETP & STP design, trouble shooting & other water treatment areas. The faculty constantly upgrades their knowledge and skills through sustained interaction with the industry, research work in relevant areas and by participating in various seminars, conferences, workshops.

WHO SHOULD ATTEND

- Processing supervisors
- Process house owners
- Textile Chemists
- Faculty members
- ETP operators

- Laboratory personnel
- Students

PEDAGOGY

The program will be a balanced mix of lectures, case studies, hands-on experience in testing of industrial water, Audio-visuals, experience sharing etc.

DURATION OF PROGRAM

05 days i.e. from 24-04-2023 to 28-04-2023 Timings of the program will be 10:00 AM to 5:00 PM

VENUE

NITRA, Sector-23, Raj Nagar, Ghaziabad-201002 (U.P.)

DELIVERABLES

Handling of ETP, Testing and quality evaluation of wastewater as per latest standards

REGISTRATION & TRAINING CHARGES

The fee for the program is Rs. 10,000/- plus 18% GST per participant. This includes course material, training certificate, working lunch, and morning & evening tea-snacks.

The program is non-residential in nature. The candidates will make their boarding and lodging arrangements. NITRA may help in identifying nearby facilities for the candidates.

Registration of the participants will be confirmed on submission of the registration form along with registration fees. The Fee is non-refundable. However, substitution in nomination will be allowed.

MODE OF PAYMENT

a) E-Payment vide RTGS/NEFT

Vendor's Name: Northern India Textile Research Association, Ghaziabad – 201 002

Name of the authorised signatory: Dr Arindam Basu (Director General)

Name of Bank: State Bank of India

Branch Name: Navyug Market, Ghaziabad
9 Digit Bank & Branch MICR code: 110002224
11 Digit RTGS IFSC code: SBIN0000642
Bank Account Number: 55065458457

b) UPI

Merchant Name: NITRA
UPI ID: 9015552954@SBI

Scan and Pay



IMPORTANT DATES

Last date for receipt of nomination is 19-04-2023.

CONTACT FOR PARTICIPATION

For any additional information/query, please contact:

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Senior Scientific Officer

Northern India Textile Research Association

(Linked to Ministry of Textiles, Government of India)

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