



ELIXIR ENVIRO SYSTEMS PVT. LTD.  
Creating Reliable Environmental Solutions



# **TRAILBLAZING ENVIRONMENTAL CONSERVATION FOR A SUSTAINABLE FUTURE**

# Innovative Environmental Solutions that Forge a Greener Tomorrow

As trailblazers in the quest for a greener future, Elixir Enviro Systems is dedicated to empowering change through our commitment to innovative environmental solutions. Sustainability is the guiding principle that drives us, as we harness our expertise, research, and visionary thinking to address complex environmental challenges and make a positive impact.

## Our Services

### Industrial Odour Control

Elixir Enviro Systems (EES) specializes in customized industrial odour control solutions. We offer tailored exhaust collection and gas treatment systems, including the patented Cocofil Gas Biofilter, known for its cost-efficiency and eco-friendliness. EES collaborates with clients to select the right Odour Control measure for their specific needs and ensures efficient and long-term performance. Our commitment to sustainability and advanced technology effectively addresses odour emissions in various sectors.



# Industrial Wastewater Treatment

We focus on comprehensive industrial wastewater treatment solutions, including design, engineering, supply, installation, and commissioning. Our experienced team ensures precision and efficiency, meeting your unique needs. We offer advanced Extended Aeration, Biological Nutrient Removal (BNR), and High-Rate Anaerobic Digester plants, which efficiently treat wastewater while complying with regulations and offering environmental and economic benefits.



## Sewage Treatment Plants

Elixir offers complete sewage treatment plant services, encompassing design, engineering, supply, installation, and commissioning. We concentrate on customized solutions using advanced technologies.

### ✔ Conventional Activated Sludge & Extended Aeration Plant:

Our expertise lies in designing and implementing efficient activated sludge plants, ensuring exceptional removal efficiencies and compliance with regulations.

### ✔ BNR Plants:

We excel in designing BNR plants that effectively remove nutrients from sewage, ensuring regulatory compliance while minimizing environmental impact.



## Anaerobic Digester

Elixir Enviro is highly proficient in providing anaerobic digester solutions for waste treatment, prioritizing sustainability, and resource efficiency. We offer tailored design, seamless installation, and complete support.

### ✔ Customized Design:

We assess waste to optimize biogas production and efficient treatment.

### ✔ Collaborative Support:

We align systems with regulatory standards and provide thorough training for effective operation.

### ✔ Optimal Functionality:

Our technicians ensure precise integration for maximum biogas production.

### ✔ Renewable Resource Generation:

Our process converts waste into biogas for energy and organic fertilizer to reduce landfill waste.



## Consultancy Services

At Elixir Enviro Systems, our consultancy services in the field of environmental solutions stand out for their quality and expertise. Our team of professional consultants combines industry knowledge, technical expertise, and strategic insights to deliver in-depth guidance and tailored solutions to address your environmental challenges.

### Our Consultancy Services cover:

- ✔ Environmental Impact Assessment (EIA)
- ✔ Wastewater Treatment Feasibility Studies
- ✔ Odour Control Feasibility Studies.
- ✔ Environmental Permitting and Compliance
- ✔ Waste Management Solutions

## Modelling and Simulation of Wastewater Treatment Plant

Wastewater treatment models have revolutionized the field, optimizing plant operations. Elixir Enviro stands out in providing tailored modelling and simulation services using advanced software like BioWin. Our dynamic modelling assesses wastewater variations and recommends strategies, while our models also incorporate advanced control methods for complex processes. We offer a proprietary anaerobic digestion model for customized solutions, allowing you to make informed decisions and enhance operational efficiency while meeting environmental goals.



## Onsite Odour Measurement

We deliver advanced odour measurement services, employing state-of-the-art technology and expert methodologies. Our team conducts precise on-site wastewater measurements, ensuring compliance with regulatory standards.

We provide extensive odour sampling and analysis, tailored monitoring programs, and detailed reports. Our assessments cover both quantitative and qualitative aspects, addressing emissions, compliance, and sensory experiences.

Commencing with crafting customized odour management strategies and identifying the root causes, we propose result-oriented solutions. Our commitment lies in supporting industries and municipalities in odour control and mitigation efforts.



## Onsite Wastewater Quality Assessment

Elixir Enviro Systems shines in precise on-site wastewater quality assessments, tailored to industrial needs. Our expert team employs rigorous sampling methods and the most modern equipment, including Hach spectrophotometers, Hanna pH meters, and more. We measure critical parameters like COD, pH, phosphorus, sulphate, nitrogen compounds such as ammonia nitrogen, nitrate nitrogen, total nitrogen etc, and more.

Our results form the basis for assessing treatment system effectiveness, ensuring compliance, and identifying potential issues. Clients rely on our accurate and reliable services, enabling informed decisions for maintenance, upgrades, and interventions. Our professional solutions eliminate common laboratory analysis concerns.

## Pilot Studies for Wastewater Treatment

We specialize in wastewater treatment pilot studies, which involve small-scale investigations to assess treatment technologies and control strategies. These studies replicate larger wastewater treatment processes accurately. Our pilot studies yield detailed data on pollutant removal, cost-efficiency, energy requirements, and operational considerations. Our proficient team examines various treatment processes and assesses the impact of modifications to optimize performance.

Our expertise informs the selection and design of wastewater treatment and odour control systems, facilitating efficient larger-scale implementation. We empower clients to make informed decisions for their unique wastewater treatment needs.





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**We are poised to bring your projects to fruition.**

Together we can contribute to a greener earth

Contact us:

 +91 99958 21471

 +91 495 355 4262

info@elixirenviro.in 

www.elixirenviro.in 