



***AnandDhara Technologies – Building A sustainable Future***

**Your Single Point Solution for Water & Wastewater Treatment**

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## Section 1

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### *Company Overview and Key Highlights*

#### **About Us**

**AnandDhara Technologies** is a trusted leader in water and wastewater treatment solutions, serving residential, commercial, and industrial sectors. With over a decade of experience, we specialize in delivering eco-friendly, innovative, and efficient systems tailored to the unique needs of our clients.

Driven by a commitment to sustainability and quality, we aim to ensure safe, clean water today — and preserve it for generations to come. Our solutions are designed with environmental responsibility, technical precision, and long-term performance in mind.

**Vision:** To be a global trusted leader in **sustainable water management**, recognized for innovation, uncompromising quality, and our contribution to a **cleaner, healthier (greener) planet**.

#### **Mission:**

Design, supply, and maintain high-quality RO, STP, ETP, WTP, ZLD and softening systems.

Promote water conservation and reuse through eco-friendly technologies.

Deliver top-tier after-sales support via Annual Maintenance Contracts (AMC).

Ensure full compliance with legal and environmental regulations.

## Overview

### *Why We Exist*

We believe water is the essence of life and it is our responsibility to ensure its **conservation and safe reuse**.

We work relentlessly to develop solutions that are:

- **Environmentally responsible**
- **Simple to operate and maintain**
- **Cost-efficient for long-term sustainability**

### *How we work*

At AnandDhara Technologies, we follow a **systematic and innovative approach** to deliver sustainable water and wastewater solutions:

- **Integrating World-Class Technologies:** We combine advanced treatment methods, automation, and digital monitoring to ensure **efficient and reliable operation**.
- **Customized Solutions:** Every project is designed according to **client requirements, space constraints, and water quality needs**, ensuring optimal performance.
- **End-to-End Project Management:** From **design, procurement, installation, commissioning, to operation and maintenance**, we take full responsibility, ensuring projects are delivered **on time, within budget, and to the highest standards**.
- **Continuous Improvement:** We constantly innovate and adopt **eco-friendly methods, energy-saving techniques, and process optimization**, reducing operating costs and environmental impact.
- **Client-Centric Approach:** Our team works closely with clients, providing **training, manuals, and real-time support** to ensure smooth operation and long-term satisfaction.

### *What we deliver*

Our products and solutions are built to save energy, operate smoothly and efficiently, occupy less space and offer distinct advantages over conventional systems.

We apply our expertise to integrate world class technologies that give you **TOTAL** solutions for your Water and Wastewater needs.

**Our promise: Every solution is energy-efficient, environmentally responsible, cost-effective, and user-friendly, delivering total water management peace of mind for our clients.**

Backed by an Experienced Management Team

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## Organisation

- Full time committed team
- Sales / Design / Project Management / Procurement / Construction / Finance
- Business background with managerial experience
- Technical background with expertise in Water Management field
- Pan India customer base

At **AnandDhara Technologies**, we recognize the need to have a team who can meet and exceed the customer expectations. Our experienced team ensure:

- Single point coordination of engineering, procurement and construction activities
- Expertise of a professional team to adhere to all major standards, codes and specifications
- Strong and extensive supplier network for on-time performance
- Performance guarantee tests are conducted in the presence of the clients
- A well-documented manual is prepared for the client on commissioning
- Strong emphasis is laid on pre-empting potential troubles

## AnandDhara : Overview

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### Company Overview

- AnandDhara Technologies is a technology company operating in the field of water, sewage and waste water treatment, having manufacturing unit in Ankleshwar GIDC Gujarat.
- It offers customised solutions ( EPC / BOOT ) and also products for Water and Waste Water Management
- Its systems and products offer distinct advantages over conventional and other treatment methods viz. lower operating costs, ability to handle variable load and minimal manual intervention
- Experience Team and having more than 10 years of experience in waste management
- It has a team of experienced professionals with technical background and managerial experience

### ▪ **Key customer segments**

- **Hospitality:** Hotels, Resorts, Clubs
- **Commercial and Industrial:** Malls, IT Parks, Special Economic Zones, Factories, Warehouses
- **Residential:** Housing Societies, Apartments, Townships
- **Healthcare:** Hospitals, Clinics, Laboratories
- **Manufacturing:** Pharmaceutical, Textile, Food and Beverage, Chemicals, and more
- **Public Infrastructure:** Schools, Public Institutions, Municipal Water and Sewage Boards

## Section 2

### Capabilities and Solutions We Offer

*EPC Projects*

*BOOT / BOO /  
PPP*

*O & M  
Services*

*Metering &  
Monitoring  
Services*

*De Centralised  
Systems*

### Our Water Management Solutions

Our solutions cover the complete spectrum of **water and wastewater management** needs:

- **Effluent Treatment Plants (ETP) and Common Effluent Treatment Plants (CETP)**
- **Zero Liquid Discharge (ZLD) Solutions**
- **Sewage Treatment Plants (STP)**
- **Water Treatment Plants (WTP)**
- **Decentralized Treatment Systems for Schools, Offices, Hospitals, and Communities**
- **Municipal and Drinking Water Treatment Solutions**
- **Desalination Systems**
- **Swimming Pool Filtration and Treatment**
- **Comprehensive Operation and Maintenance Services**
- **Metering / Monitoring – Online – Real Time**



Compart SBR Sewage Treatment Plant

STP



WTP



ETP



ZLD

- **EPC Projects (Engineering, Procurement & Construction Projects)**

EPC Projects are turnkey solutions where AnandDhara Technologies takes full responsibility for the design, procurement, construction, and commissioning of water and wastewater treatment plants.

### Key Points:

- **Comprehensive Service:** We handle everything from conceptual design to installation and final commissioning.
- **Custom Solutions:** Plants are tailored to specific needs of industries, residential complexes, commercial spaces, or municipalities.
- **Efficient Execution:** Leveraging experienced teams and strong supplier networks ensures **on-time delivery and quality assurance**.
- **Cost-Effective:** Minimizes client effort and reduces risks by providing a single point of responsibility.

### Applications:

- Municipal sewage and water treatment systems
- Smart cities, residential bungalows, housing societies, and buildings
- Industrial units such as manufacturing plants, warehouses, pharmaceutical, textile, and food industries
- Commercial establishments like hotels, hospitals, offices
- Public institutions including hospitals, schools, public toilets, lakes, and water bodies

- **BOOT / BOO / PPP Projects**

BOOT (Build, Own, Operate, Transfer) and BOO (Build, Own, Operate) models are long-term project frameworks that combine investment, construction, and operation of water and wastewater treatment plants. These models often support Public-Private Partnerships (PPP).

### Key Points:

- **Financing & Construction:** AnandDhara Technologies finances, builds, and operates the plant, reducing the burden on the client or municipality.
- **Operation & Management:** We operate the plant efficiently for the agreed period, ensuring optimal performance and compliance.
- **Transfer of Ownership:** In BOOT projects, the facility is transferred to the client at the end of the contractual period.
- **Risk Mitigation:** Clients benefit from **expert management, guaranteed performance, and operational efficiency**.

### Applications:

- Municipal wastewater treatment plants
- Water recycling and reuse projects
- Industrial and commercial water management under PPP or private partnership frameworks

- **Operation & Maintenance (O&M)**

O&M services ensure that water and wastewater treatment plants operate reliably, efficiently, and cost-effectively throughout their lifecycle.

### Key Points:

- **Regular Monitoring:** Continuous supervision of plant operations to maintain compliance and performance.
- **Preventive Maintenance:** Scheduled maintenance reduces breakdowns and prolongs plant life.
- **Resource Optimization:** Efficient use of energy, chemicals, and manpower to reduce operating costs.
- **Technical Support:** Expert troubleshooting and quick response to operational issues.

### Applications:

- Industrial Effluent Treatment Plants
- Sewage Treatment Plants for residential, commercial, and municipal clients
- Decentralized treatment systems

- **Monitoring and Digital Solutions**

Advanced digital solutions allow clients to monitor water quality and plant performance in real time, improving transparency, efficiency, and control.

### Key Points:

- **Online Monitoring:** Real-time data on flow, quality, and system health.
- **Automation & Alerts:** Systems detect anomalies and generate alerts for prompt action.
- **Data-Driven Decisions:** Historical data analytics help optimize energy use, chemical dosing, and operational efficiency.
- **Integration with Building Management Systems:** Centralized control for multiple plants or facilities.

### Applications:

- Municipal water and sewage treatment plants
- Large residential or commercial complexes
- Industrial plants requiring compliance with environmental regulations

- **Decentralized Water & Wastewater Systems**

Decentralized systems are compact, modular, and plug-and-play treatment solutions designed for localized water management, without depending on large centralized plants.

### Key Points:

- **Rapid Deployment:** Quick installation and commissioning, ideal for offices, schools, hospitals, and small communities.
- **User-Friendly:** Minimal manual intervention with automated controls.
- **Space Efficient:** Small footprint, suitable for rooftops, basements, or limited spaces.
- **Flexible Operation:** Can handle variable loads and integrate with existing infrastructure.

### Applications:

- Schools, offices, hospitals, and small residential complexes
- Remote areas or campuses without access to centralized treatment plants
- Temporary installations for construction sites, events, or seasonal demand

## Why Choose AnandDhara Technologies

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### Strong Capabilities

- Financially Sound and professionally managed company
- Sustainable Development - Environment Responsibility
- Experienced Team with Technical and Managerial Expertise
- Quality Guarantee
- Engineering Excellence
- Delivery Management Capability
- Partnership with reputed **engineering and EPC firms**
- Proven ability to deliver **end-to-end water solutions across India**

### Engineering Excellence

- Advanced designs that are **space-saving, energy-efficient, and user-friendly**
- Automation-ready systems with **remote monitoring capability**
- Reduced operating and maintenance costs compared to conventional plants
- Ability to handle **variable load conditions** seamlessly

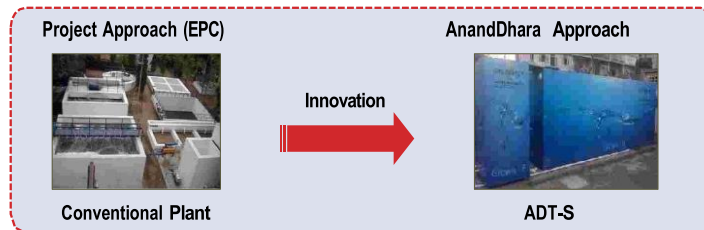
### Environmental Commitment

- Solutions that reduce **carbon footprint and greenhouse gas emissions**
- Focus on **recycling, reuse, and zero discharge models**
- Support for **Smart Cities, industries, institutions, and communities**

### Key Advantages of AnandDhara Solutions

- **Up to 50% lower maintenance** through simplified design
- **40% to 60% lower operating costs** due to energy efficiency
- **Compact systems** that fit into basements, rooftops, and limited spaces
- **Faster installation** – plants can be commissioned in just weeks, not months
- **No foul odour and minimal noise levels**, ensuring a clean environment
- **Performance guarantee tests** conducted in the presence of clients
- **Detailed operation manuals** provided for easy handover

## Productizing' a Traditional Project-based Offering...



| Conventional Approach to STP                                                                                                                                            | AnandDhara Technologies's Approach to STP                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Large centralized STP, requiring large transportation infrastructure</li> <li>Involves substantial on-site sales work</li> </ul> | <ul style="list-style-type: none"> <li>Decentralised resource recovery, minimal sewage production and minimal transportation infrastructure required</li> <li>Pre-engineered, pre-fabricated, "Plug and Play" systems</li> </ul> |
| <ul style="list-style-type: none"> <li>Focused on a particular methodology (membrane based, aeration based, etc.)</li> </ul>                                            | <ul style="list-style-type: none"> <li>Solution driven by engineering, agnostic to technology</li> </ul>                                                                                                                         |
| <ul style="list-style-type: none"> <li>Typically treatment for disposal</li> </ul>                                                                                      | <ul style="list-style-type: none"> <li>Focused on treatment and reuse</li> </ul>                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>Inability to handle variable loads, increased down time</li> </ul>                                                               | <ul style="list-style-type: none"> <li>Ability to run on variable loads, holiday mode ensures ability to manage shut down and down time</li> </ul>                                                                               |

### Piant Overview:



## Superior Engineering and Cost savings And Advanced Design

| Parameter                      | Technology-Edge                                                                                       | Comparison with Competition                                           | AnandDhara Technology Impact                                                  | Client Benefit                                          |
|--------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------|
| 1 Automation                   | Fully automated system can be easily interfaced with BMS / FMS or remotely monitored                  | 3-4 dedicated operators required across 3 shifts, depending on design | Dedicated operator not required                                               | 45% - 60% lesser OPEX required                          |
| 2 Operations & Maintenance     | Breakthrough design eliminates high O&M moving / rotary parts such as blowers and diffusers and media | High dependence on rotary/ moving parts                               | Up to 50% lower maintenance required                                          |                                                         |
| 3 Load Variation               | Internally controlled auto sensing of process to adjust to load variations                            | Fixed load handling                                                   | Built-in ability to operate between 30% and 110% of design load/ Holiday mode | Minimum downtime                                        |
| 4 Sludge Handling              | Minimal quantity and completely digested sludge                                                       | Removal of sludge required once a day to once a week                  | Removal of sludge required once in 20 days                                    | Reduces OPEX                                            |
| 5 Energy Efficiency            | Optimized process requires 1.5–1.6 kWh per m <sup>3</sup>                                             | 2.1–2.9 kWh per m <sup>3</sup> energy consumed                        | 40% to 50% lesser energy consumed                                             | Reduces OPEX                                            |
| 6 Design and Installation Time | Less time required as product based offering rather than project based; require minimal on-site work  | Typically, 4-6 months (as each plant has to be designed)              | Installation and commissioning in 2-3 weeks                                   | Shorter project execution                               |
| 7 Fouling                      | Robust operating conditions ensure water doesn't turn septic                                          | General fouling around STP and water turning septic                   | No foul odour                                                                 | Non-Intrusive plants that blend in with the surrounding |
| 8 Noise                        | Thoughtful design minimizes 65% noise of equipment                                                    | High noise levels                                                     | 20 dB – 30 dB lower noise level                                               |                                                         |
| 9 Environmental Impact         | High process efficiency and minimum Green House Gases                                                 | High ventilation requirements owing to emissions                      | Minimal ventilation and safety concerns                                       | Use of redundant space                                  |
| 10 Foot Print                  | Single tank, typical height of 2.1m                                                                   | 2-5 tanks with a typical height of 3.5 m                              | 10%-20% smaller units that fit in basements and parking lots                  |                                                         |

Building A Sustainable Future

# **Water & Wastewater Testing & Treatment Products**

We supply a complete range of laboratory instruments, field testing kits, treatment chemicals, and filtration media - including Activated Carbon, Sand, Gravel, Anthracite, MBBR & Tube Media, PAC, & Softener Resin—for STP, ETP, RO, WTP & industrial water management systems.

## **Instruments :**



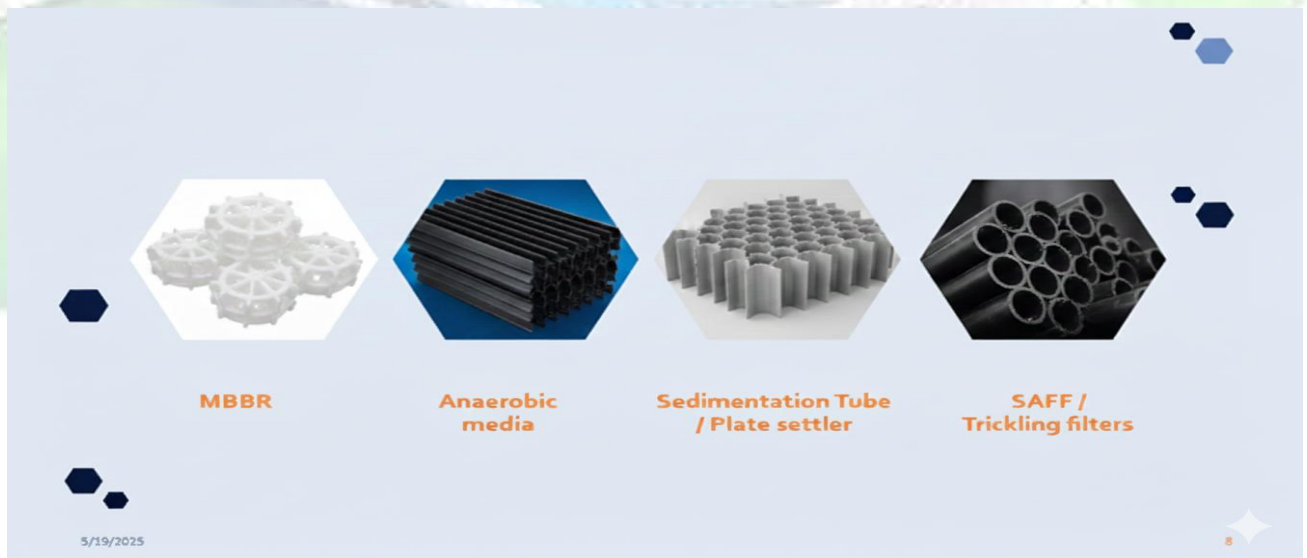
pH Meter | TDS Meter | Turbidity Meter | DO Meter | Spectrophotometer | Jar Test | BOD Incubator | COD Digester | ORP Meter | Water Bath | Hot Air Oven | Muffle Furnace | Colony Counter | MLSS Testing Kit | Portable Water Testing Kits | TSS Testing Kit | Portable Multi-Parameter Meter | Imhoff Cone

## Chemicals :



Antiscalant | Sodium Hypochlorite (Hypo) | PAC | Alum | Polyelectrolyte (Anionic/Cationic) | RO Cleaners (Acidic/Alkaline) | Bioculture (Bacterial Enzymes) | Defoamer | Activated Carbon | pH Booster | Alkalinity Booster | Sodium Meta Bisulphite (SMBS) | Sludge Dewatering Polymer

## Media :



## **Biological Treatment Media**

Anaerobic Media | MBBR Media | SAFF Media | Bio-Carrier Media

## **Clarification/Settling Media**

Tube Settler Media | Lamella Packs | PVC Structured Media

## **Filtration Media**

PSF Sand Media | ACF Activated Carbon | Gravel | Cartridge Filters



## **Applications :**

- ✓ STP / ETP
- ✓ RO / WTP
- ✓ Industrial Process Water
- ✓ Environmental Labs
- ✓ Drinking Water Testing
- ✓ Quality Control Laboratories
- ✓ Water Recycling & Reuse Projects
- ✓ Hospitals, Hotels, Industries & Residential STPs

### **Contact Details**

Private and Confidential by AnandDhara Technologies

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 Together, let's build a future where every drop counts.

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# Thank You