Kobuta
ENVIRO EXPERTS

CLEAN WATER | GREENER TOMORROW

PACKAGED

SEWAGE TREATMENT PLANTS (STP)

Compact Solutions for a Cleaner, Healthier and Greener Tomorrow



ENERGY EFFICIENT

CLEANER ENVIRONMENT

RELIABLE PERFORMANCE

A HEALTHIER TOMORROW

Packaged STP | Wastewater Treatment Solutions

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Sustainable Water Solutions for a Better Tomorrow



DIRECTOR'S MESSAGE

At Kobuta Enviro Experts, we are committed to creating a cleaner, healthier and more sustainable environment through innovative and reliable water and wastewater treatment solutions. Our goal is to provide cost-effective, high-quality solutions that help communities, businesses and industries conserve water, protect natural resources and build a greener tomorrow.

We believe that clean water is the foundation of a healthier society, and together we can make a lasting positive impact for future generations.

Hariom Sharma
Director

OUR VISION & MISSION

Together for a Water Secure & Greener Tomorrow



OUR VISION

Clean Water for Everyone.

We want a future where every community has clean and safe water, where rivers and lakes stay clean, and where every drop of water is used wisely for a healthier and greener tomorrow.

OUR MISSION

"To Save Every Drop of Wastewater, So We Can Conserve Fresh Water for Tomorrow."

Our mission is to turn wastewater into valuable resource through innovative, reliable, and cost-effective water treatment solutions — ensuring water reuse, reducing environmental impact, and promoting a sustainable lifestyle.

To provide a cost-effective solution, so that everyone — homes, businesses, and industries — can contribute towards water conservation and a greener planet.

Cleaner Environment | Water Conservation | A Sustainable Future | Healthier Communities | A Greener Planet

Clean Water. Greener Tomorrow.

ABOUT US

BEYOND TREATMENT. TOWARDS TRANSFORMATION.

Kobuta Enviro Experts is driven by a clear vision — to transform the way water is treated, managed and reused. We focus on practical, efficient and sustainable water management solutions that help businesses and communities move towards a cleaner future.

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- **CLEANER ENVIRONMENT**
- **RESOURCE CONSERVATION**
- **RELIABLE PERFORMANCE**
- **LONGER LIFE CYCLE**

THE STRENGTH OF FRP

BUILT FOR A LONGER LIFE

Our systems are built with high-quality FRP, offering excellent corrosion resistance, durability and reliable performance even in harsh conditions.

- **DURABLE STRUCTURE**
  Engineered for dependable long-term performance.
- **CORROSION RESISTANT**
  FRP ensures long life in water & chemical exposure.
- **LOW MAINTENANCE**
  Designed for years of hassle-free operation.
- **OPTIMAL DESIGN**
  Engineered for performance & reliability.

MANUFACTURING EXCELLENCE

Our manufacturing facility is equipped with modern infrastructure and a well-defined production process. We maintain complete process control at every stage to ensure consistent quality, precision and reliability in every product we deliver.



1 FRP LAMINATION

Controlled lamination process for superior strength and corrosion resistance.



2 ASSEMBLY & FITTINGS

Integration of essential mechanical components with quality checks.



3 FINAL ASSEMBLY

Complete assembly with accessories and finishing as per design standards.



4 QUALITY TESTING

Every unit is checked with dimensional and performance tests to ensure consistent quality before dispatch.

- **COMPLETE PROCESS CONTROL**
  From raw material to final product
- **SKILLED & EXPERIENCED TEAM**
  Ensuring high workmanship quality
- **MODERN INFRASTRUCTURE**
  Manufacturing facility in Ghaziabad
- **CONSISTENT QUALITY**
  Every unit is tested before dispatch

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PACKAGED
SEWAGE TREATMENT PLANTS (STP)
FOR A CLEANER, HEALTHIER AND MORE SUSTAINABLE TOMORROW



WHY CHOOSE US?

We specialize in Packaged Sewage Treatment Plants (STPs) for residential, commercial, hospitality, and industrial projects.

Up to 70% Lower Power Consumption*
Compared to conventional STPs.


Above Ground


Underground

Above Ground / Underground Compact & Space Saving
Flexible installation options with minimal civil work.

Quick Installation & Commissioning
For hassle-free project execution.

No Dedicated Operator Required
Simple operation with automated process.

High-Quality Treated Water
Suitable for flushing and gardening (subject to applicable treatment standards).

Noiseless & Odour Less System
Designed for discreet and environment-friendly operation.



Dual Process (Anaerobic + Aerobic)
Efficient treatment with stable performance and low sludge generation.

IoT-Enabled Remote Monitoring (Optional)
For real-time plant monitoring and better control.

CLEAN WATER. GREENER TOMORROW.

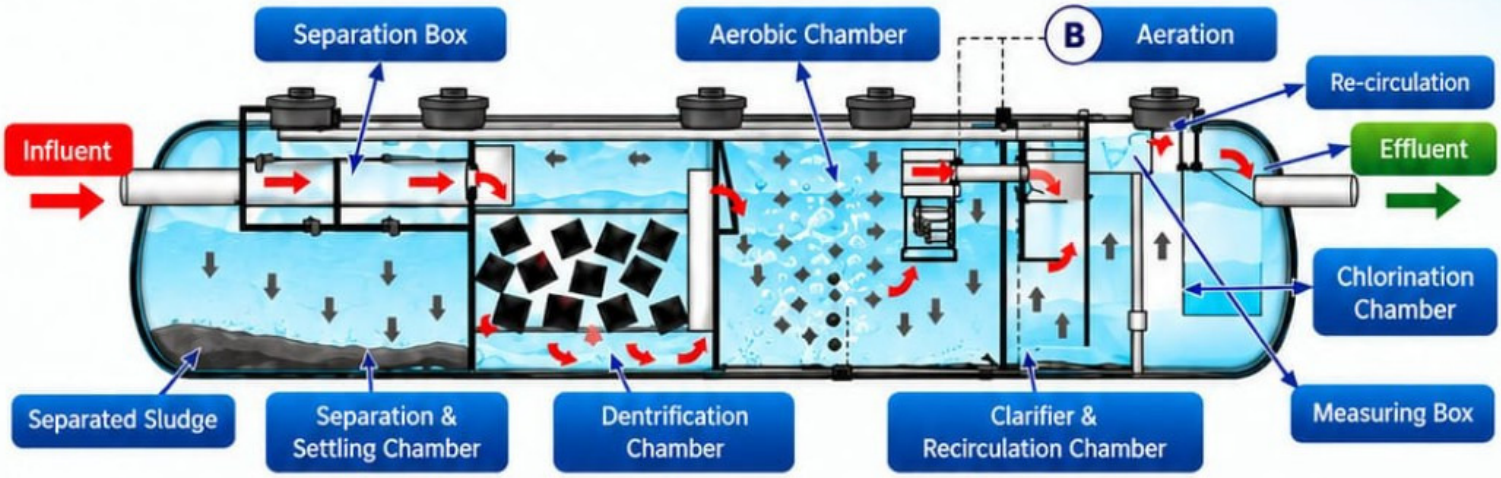
* Energy savings depend on plant design, operating conditions, and the conventional system used for comparison.

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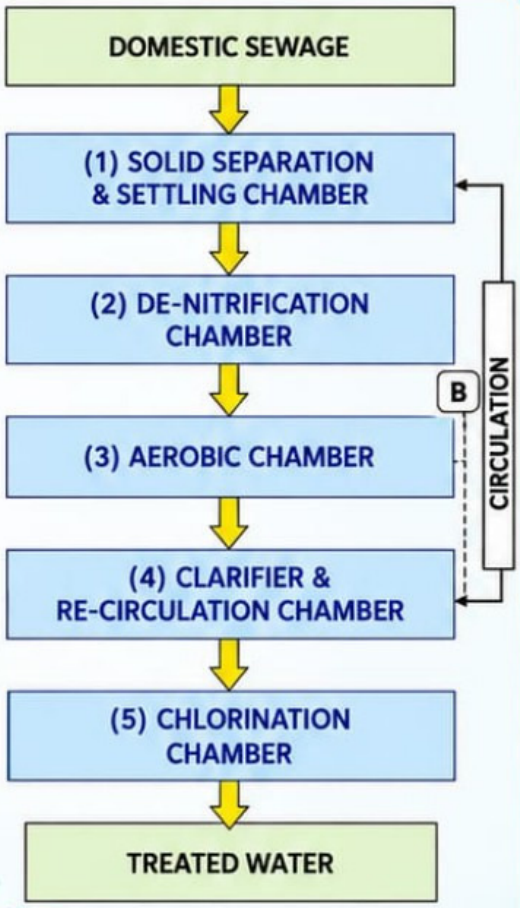
Sustainable Water Solutions for a Better Tomorrow

PROCESS DESCRIPTION

Step-by-Step Treatment Process in Kobuta Packaged STP



FLOW CHART



PROCESS DESCRIPTION

1 SOLID SEPARATION & SETTLING CHAMBER

Incoming domestic sewage enters the first chamber, where heavier suspended solids settle by gravity and are retained as sludge. This reduces solids entering the biological treatment stages.

2 DE-NITRIFICATION CHAMBER

Wastewater flows into the de-nitrification chamber. In this chamber, organic material is decomposed under anaerobic (low oxygen) conditions. Recirculated water containing nitrate and nitrite is converted into nitrogen gas, helping to reduce total nitrogen.

3 AEROBIC CHAMBER

Air is supplied through the aeration system to support aerobic microorganisms. In this chamber, organic material is broken down further by aerobic bacteria, reducing BOD and other pollutants and forming biological sludge.

4 CLARIFIER & RECIRCULATION CHAMBER

Suspended biological solids settle down in the clarifier. The settled sludge, which also contains active microorganisms, is recirculated back to the earlier chamber as per design, helping to maintain biomass and improve treatment efficiency.

5 CHLORINATION CHAMBER

In the chlorination chamber, a controlled dose of chlorine is added to disinfect pathogenic bacteria. The treated water is then safe for discharge or reuse, subject to applicable standards and project requirements.

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DESIGN BASIS

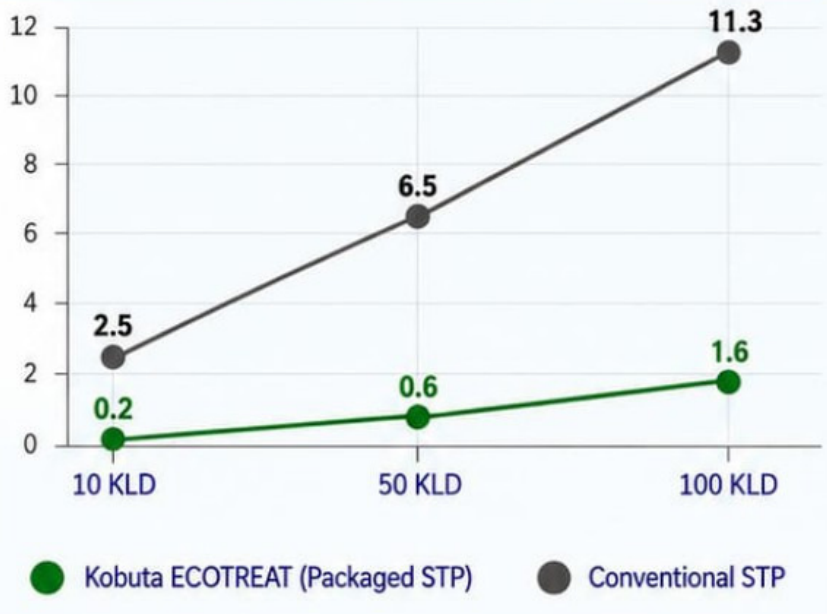
Treated-water parameters — from raw inlet to treated water quality.

Sr.	Parameter	Inlet (Raw Sewage)	Standard Model Outlet	Advanced Model Outlet
1	**pH**	6 – 8	6 – 8	6 – 8
2	**COD** (mg/L)	450	50	**< 50**
3	**BOD** (mg/L)	300	20	**< 10**
4	**TSS / SS** (mg/L)	240	30	**< 20**
5	**Oil & Grease** (mg/L)	40	10	**< 10**

RUNNING COST COMPARISON

Lower power consumption for higher savings.

Annual running cost — Lakh INR / year



PLANT CAPACITY

50 KLD

Conventional STP	Kobuta ECOTREAT
₹6.5 L / year	**₹0.6 L / year**

You save approximately **₹5.9 Lakh / year**

- Up to 70% lower power consumption
- Low operation cost
- More sustainable solution

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KOBUTA STP VS CONVENTIONAL STP

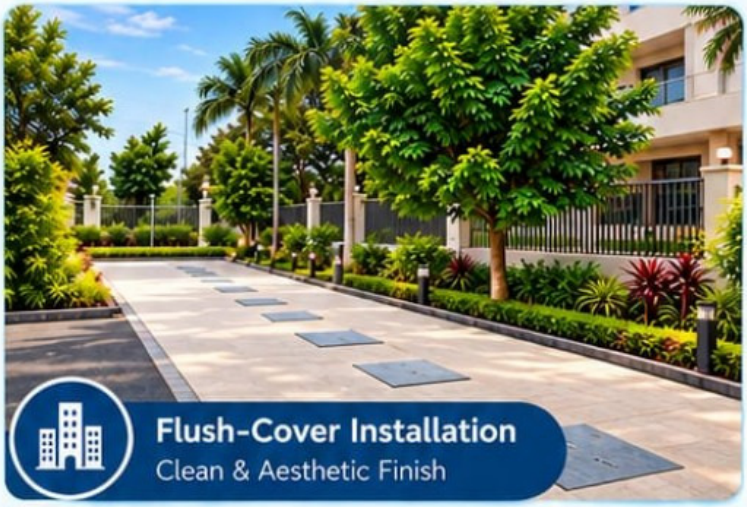
A Smarter, Cleaner and More Cost-Effective Solution

Comparison Criteria	Kobuta Enviro STP (Packaged STP)	Conventional STP (Civil/MS Based)
Dedicated Operator Required?	**NO** Automated operation; no full-time operator required.	**YES** Skilled operator and regular supervision required.
Odour-Controlled Operation?	**YES** Fully enclosed system helps control odour.	**NO** Odour may occur; additional covers or chemical dosing may be needed.
Soundless?	**YES** Low-noise blowers and enclosed design.	**NO** Relatively higher noise from blowers and equipment.
Lower Power Consumption?	**YES** Up to 70% lower power consumption (compared to conventional STPs).	**NO** Higher power requirement due to larger equipment and continuous operation.
Low Maintenance & Chemical Cost?	**YES** Low maintenance and minimal chemical requirement.	**NO** Higher maintenance and regular chemical dosing may be required.
Factory-Prefabricated Installation?	**YES** Factory-manufactured, plug and play unit.	**NO** On-site civil construction required.
Installation Time?	**1 – 3 Days** Quick installation and commissioning.	**2 – 3 Months** Time required for civil construction and installation.
Compact, Space-Saving Design?	**YES** Compact design; up to 60% less space.	**NO** Requires larger area due to multiple civil structures.
Gravity Feed Possible?	**YES** Can be designed for gravity feed.	**NO** Generally not possible; requires pumping.
Underground / Above Ground?	**YES** Flexible installation options (underground or above ground).	**LIMITED** Mostly above ground; underground installation is complex and costly.
Scalable in Future?	**YES** Modular design allows easy capacity expansion.	**NO** Expansion requires additional civil construction, space and higher cost.

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INSTALLATION GALLERY

INSTALLATION METHODS



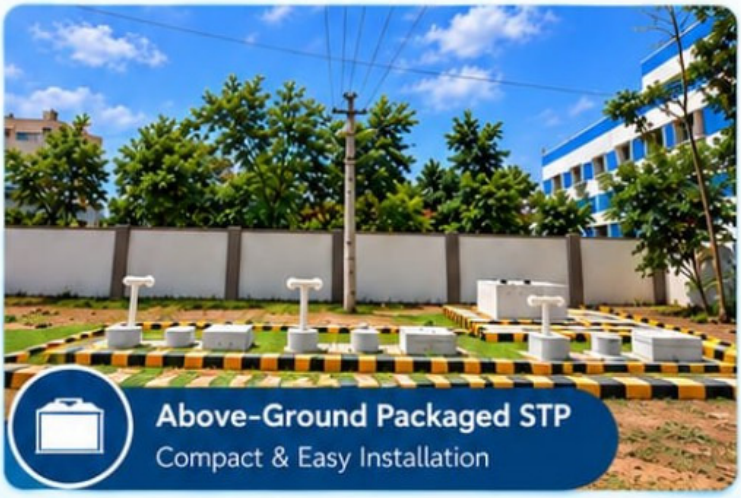
Flush-Cover Installation
Clean & Aesthetic Finish



Landscaped Installation
Integrated with Green Spaces



Underground Installation
Invisible, Durable & Space-Saving



Above-Ground Packaged STP
Compact & Easy Installation

APPLICATIONS

One Packaged Solution – Suitable for Every Project Size



Residential Societies & Apartments



Hotels, Resorts & Commercial Buildings



Factories & Industrial Units



Hospitals & Healthcare Facilities



Villas & Bungalows



Schools, Colleges & Universities