

# The Art of Living Pioneers Revolutionary Wastewater Treatment with Nature

Category: Business

written by | December 12, 2024



At The Art of Living International Ashram in Bengaluru, a transformative initiative is redefining how humanity addresses wastewater treatment. Inspired by the vision of world renowned humanitarian and spiritual leader Gurudev Sri Sri Ravi Shankar, the JalShudhi plant exemplifies his philosophy of harmonising with nature to create sustainable solutions. This advanced, nature-based system demonstrates the power of ecological engineering, blending wisdom and innovation to treat a staggering 4,50,000 litres of wastewater daily. By integrating modern technology with natural processes,

JalShudhi proves that sustainable practices not only protect the environment but also pave the way for revolutionary outcomes.



**Natural purification at work: Art of Living Ashrams biofilters use plants and microorganisms to cleanse grey water without chemicals**

### **Nature Meets Technology: The Magic of JalShudhi**

Unlike traditional wastewater plants that rely heavily on complex machinery and chemical processes, JalShudhi takes a radically different approach. It harnesses the power of biological processes to purify water, replicating the way ecosystems naturally cleanse themselves. In a single operational shift, JalShudhi treats wastewater thoroughly – without generating harmful secondary sludge, a byproduct common to traditional systems that often requires complex disposal methods. The result is a cleaner, greener solution

that pushes the boundaries of what's possible in modern water treatment – it is as gentle on the environment as it is effective.



**Step-by-step purification: Using biofiltration, the Art of Living Ashram transforms wastewater into clean water, nurturing its grounds**

**Transformative Benefits: Efficiency, Cost-Effectiveness, and Sustainability**

One of the most impressive features of JalShudhi is its ability to conserve energy. With a drastically reduced energy consumption compared to traditional plants, the system saves up to 90% on energy costs. This sharp reduction not only lowers operational expenses but also minimises the plant's environmental footprint.

Operating and maintaining the system is equally cost effective. The JalShudhi plant requires less than 20% of the annual maintenance cost compared to conventional methods. By producing treated water that can be reused, it also plays a pivotal role in preserving valuable freshwater resources – an urgent necessity in an age of increasing water scarcity.

## **Consistent and Resilient Performance**

The JalShudhi system has been designed for reliability. Its flexible framework ensures that it operates efficiently even in the face of fluctuating wastewater volumes or interruptions, such as holiday periods that affect other systems. This resilience guarantees continuous, dependable wastewater treatment, making it an invaluable solution for both communities and businesses.

## **Tackling Pollution at Its Core**

Pollution poses significant risks to both ecosystems and human health. With JalShudhi, The Art of Living Social Projects has made significant strides in combating this challenge. The treated water from the plant is safe to be reused or returned to natural water bodies, contributing to cleaner, healthier ecosystems. This nature-based system not only addresses immediate water purification needs but also supports long term environmental wellbeing.

## **Pioneering for a Sustainable Water Future**

The JalShudhi plant is more than just a treatment facility – it is a forward-thinking model for sustainable water management. In a world where sustainability is no longer a choice but a necessity, JalShudhi sets a benchmark for how wastewater can be transformed from a problem into a resource. This isn't just a story of water treatment – it's a story of possibility, proving that when nature and innovation join forces, the results are nothing short of extraordinary.

## **JalShudhi at a glance**

### **The Process:**

- **Nature-Driven Engineering:** Works as an ecosystem in collaboration with nature
- **Low Maintenance:** High-impact with 90% reduced

operational cost

- Meets all the norms of KSPCB for discharge reuse

## **The Benefits**

- Ecosystem-Based Purification: A deep science of nature converted into a solution
- Zero Secondary Sludge
- Energy Efficient: Reduces carbon footprint
- Cost-Effective
- Water Resource Conservation
- Reliable Performance: Nature based system is more robust compared to electro-mechanical systems
- Pollution-Free

## **About The Art of Living Social Projects**

The Art of Living Social Projects has resolved to create positive societal impact through transformative initiatives. With a focus on holistic development, the organisation strives to contribute to the welfare of individuals and communities alike. Recognising the deep interconnection between human health and environmental sustainability, The Art of Living Social Projects also places significant emphasis on environmental conservation. Through sustainable practices, afforestation projects, and ecological education, the organisation aims to protect and restore nature, ensuring that future generations inherit a thriving, balanced ecosystem alongside prosperous communities.

Follow: [www.instagram.com/artofliving.sp](https://www.instagram.com/artofliving.sp)

Post: [x.com/artofliving\\_sp](https://x.com/artofliving_sp)

Message: [www.linkedin.com/showcase/artofliving-sp](http://www.linkedin.com/showcase/artofliving-sp)

