



**On-site Greywater Recycling Systems**

**for**

**Residential and Commercial Buildings**

**by**

**JalSevak Solutions**

**Jalconserve Technologies Pvt Ltd**



एक कदम स्वच्छता की ओर

[www.jalsevak.in](http://www.jalsevak.in)



## 1. Introduction

Jalconserve Technologies Pvt Ltd (“**JalSevak Solutions**”) promotes recycling and reuse of domestic greywater through a simplified, innovative and scalable solution. Our systems provide an affordable and safe way for recycling and reuse of household greywater. The desired applications of the recycled water include toilet flushing and gardening/landscaping.

The value proposition which we would like to offer with our system is:

- a. Conservation of 30-35 per cent of fresh water every day by reusing greywater in toilet flush tanks and gardening (wherever applicable).
- b. Improve sanitation and health at public facilities by affordably recycling water.
- c. Reduced load on the septic tank/wastewater disposal system because of greywater recycling.

With over 35 small and large greywater recycling systems installed across the country, we continue to provide low-cost and low-maintenance solutions for households and businesses exploring water conservation. This document describes the concept of greywater recycling and the processes we adopt in our greywater recycling solution.

## 2. About Us

Jalconserve Technologies Private Limited (Brand name: JalSevak Solutions) was established on 13/08/2020 with an aim to provide on-site, scalable and affordable greywater treatment system for residential and commercial buildings. JalSevak Solutions is a Govt of India registered startup company with recognition from Department for Promotion of Industry and Internal Trade (DPIIT) and Udyam registration from Ministry of MSME. JalSevak has received development grants from several Govt agencies such as Ministry of Housing and Urban Affair (MoHUA) and Ministry of MSME.



Dr. Abhijit Sathe is the Founder and CEO of JalSevak Solutions. Mr. Sathe has received his PhD in Mechanical Engineering from Purdue University, USA and has several years of experience in areas such as product design, R&D, project management, etc.

JalSevak Solutions has its registered office in Navi Mumbai and corporate office in Pune. They have successfully installed more than 30 greywater recycling plants across India including Mumbai, Delhi NCR, Hyderabad, Bengaluru, etc. More details on JalSevak can be found on their website [www.jalsevak.in](http://www.jalsevak.in). Videos of a few of our large installations are available on our YouTube channel [www.youtube.com/@jalsevak](http://www.youtube.com/@jalsevak)

## 3. Greywater Recycling Process

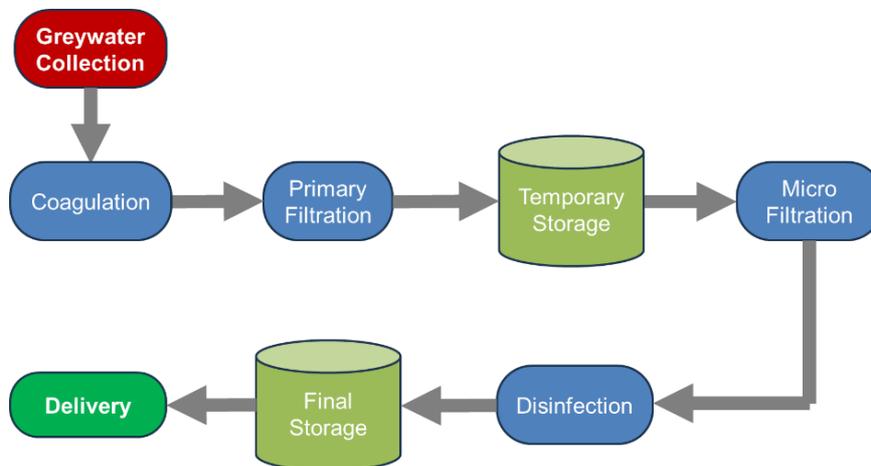
Greywater is a mildly polluted domestic wastewater that is primarily generated during activities such as bathing and washing clothes, dishwashing and kitchen.



Sources of Greywater

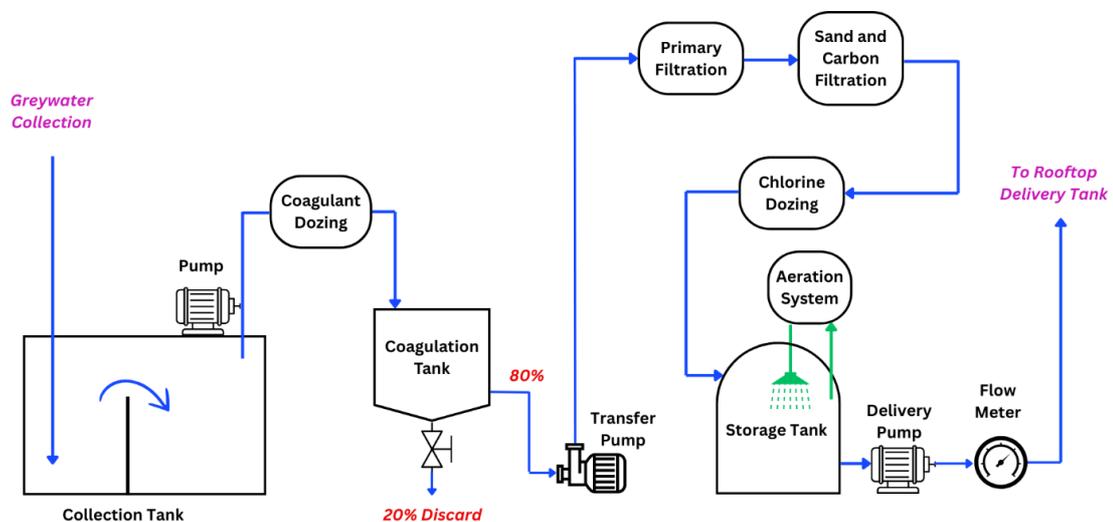
Our on-site greywater recycling solution comprises of only physical and chemical treatment of greywater. The treatment can be classified into four processes:

- Collection and Coagulation:
- Filtration:
- Disinfection:
- Aeration:



Block diagram of greywater recycling unit

A typical layout of the greywater recycling system is shown below:



Block diagram of standard greywater recycling system

#### 4. WARSHA - Packaged Household Greywater Recycling Solution

Wastewater Recycling Solution for Household Application (WARSHA) is a revolutionary product<sup>1</sup> developed by JalSevak Solution that offers plug-and-play greywater recycling for household premises such as homes, apartment buildings, small hostels, etc. WARSHA is a standalone system that can be easily installed at any location without any need for civil or plumbing work. This unit comes in two variants: 2000 litres per day and 5000 litres per day.

The exterior view of WARSHA is shown below.



---

<sup>1</sup> Patent pending

Inside the removable enclosure, the treatment plant comprises of a treatment tank and series of filters.

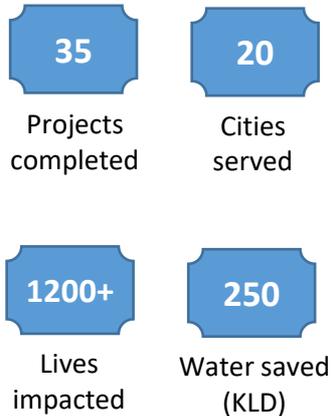


### Salient features of WARSHA

- Small footprint (8 ft x 3 ft)
- Fully automatic operation requiring no human intervention on daily basis
- IoT based remote monitoring available
- Quiet, noise-free operation
- Treated water available for reuse almost immediately



## 6. Current Traction (as of Dec 2025)

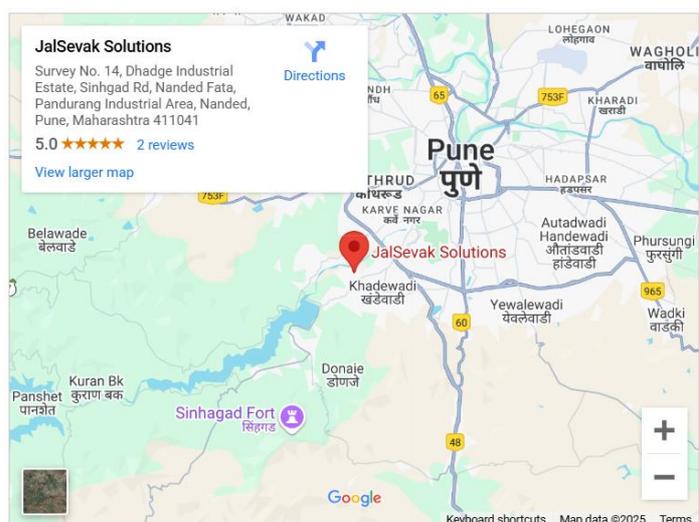


Videos of a few of our large installations are available on our YouTube channel:

<http://www.youtube.com/@jalsevak>

## 7. Contact Information

- Website: [www.jalsevak.in](http://www.jalsevak.in)
- Phone No: 99301 25888,  
75051 18820
- Email: [enquiry@jalsevak.in](mailto:enquiry@jalsevak.in)
- WhatsApp enquiry 

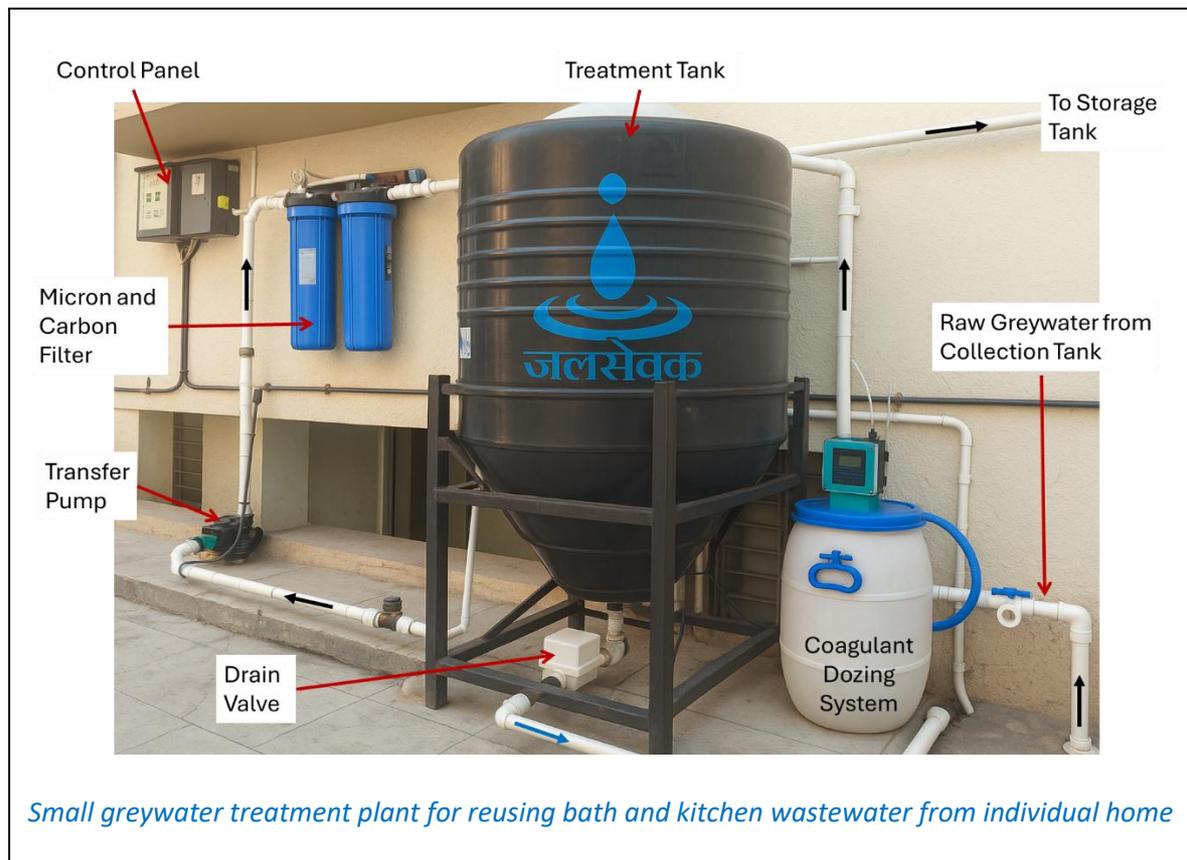


## Annexure A: Photographs of JalSevak on-site greywater recycling plants

### 1. Household of Shri Abhay Nalawade, ex-CEO – Thermax Ltd, Pune

Capacity: 1000 litres per day

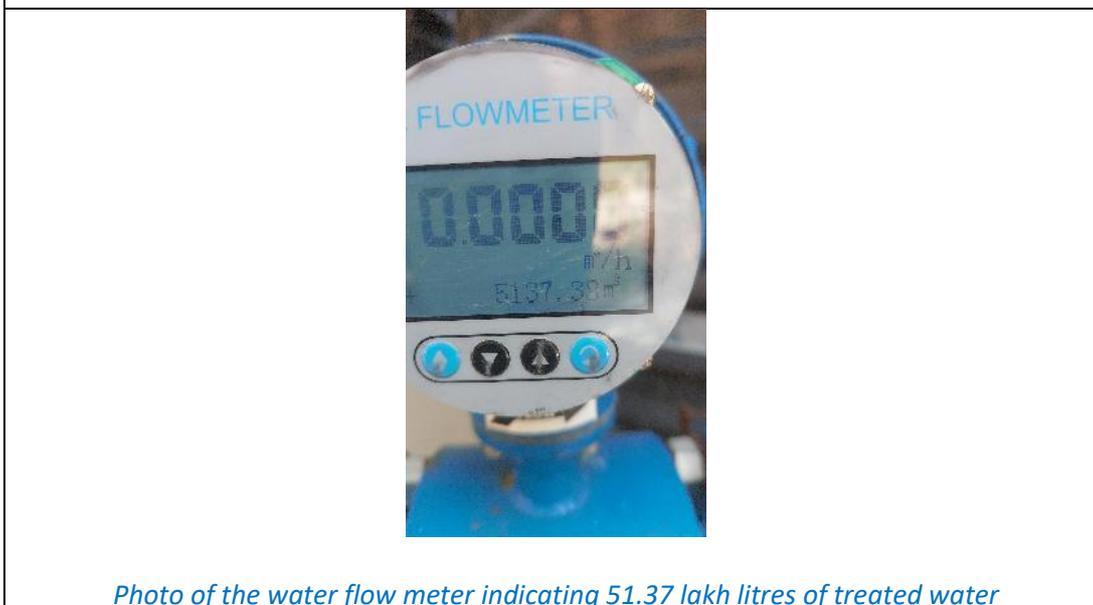
Address: Bunglow No. 53, National Housing Society, Baner-Aundh Road, Pune-411007



### 2. Cancer-patient temporary accommodation at [St Jude India Childcare Society](#)

Address: Rajas Nagar, BPT colony, Cotton Green (East), Mumbai 400033

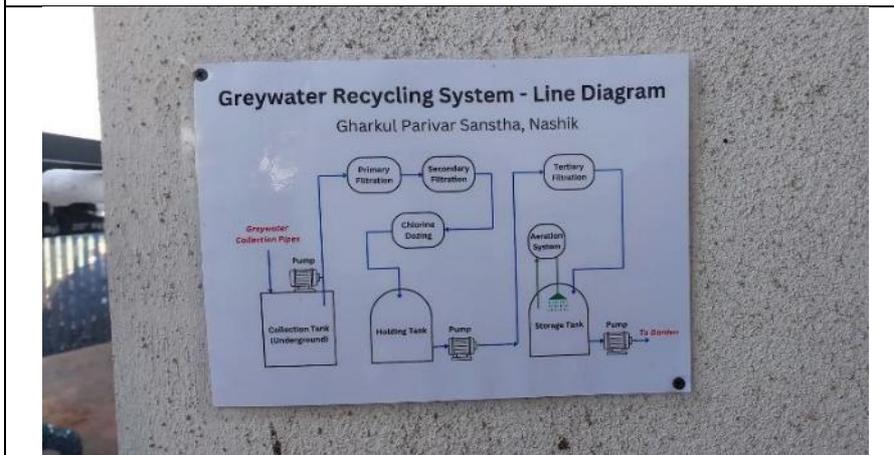
- a. Plant size: 10 KLD
- b. Water recycled till date: 50 lakh litres



3. Gharkul Parivar Sanstha, Nashik – A residential facility for differently abled girls and women

Address: Pimpalgaon Bahula, Trambakeshwar Road, Nashik 422213

- a. Plant size: 6000 litres per day
- b. Treated water used for gardening and landscaping



4. [Maharashtra State Electricity Distribution Company Ltd \(MSEDCL\), Nashik](#)

Address: Eklahare, Nashik

- a. Plant size: 10,000 litres per day
- b. Treated water used for gardening and landscaping



5. [Club Mahindra Resort, Puducherry](#)

Address: Puducherry

- a. Plant size: 15,000 litres per day
- b. Treated water used for toilet flushing



## 6. Club Mahindra Resort, Mahabaleshwar

Address: Mahabaleshwar

- a. Plant size: 15,000 litres per day
- b. Treated water used for toilet flushing

