

# Looking for a **Sewage Treatment Plant?**

**May be a new setup or an upgrade or a retrofit,  
have you thought what kind of STP suits your need?**



Discover BlueDrop Waters Solutions!



**BlueDrop Waters®**

Revolutionising the Complex, Expensive & Challenging Sewage & Effluent Treatment to Reliable, Economical and Climate Friendly Green Infrastructure Through Nature Based Solution, 'Aerated Treatment Wetlands'

*Make the smart choice for a cleaner, greener future!*

# The BlueDrop Way

Water is one of the recyclable natural resources on earth. Using chemicals and fossil energy for recycling of water leads to degradation, creating newer problems than solving the existing problem of water quality. Hence, we at BlueDrop, practice 'no-chemical' and minimal energy policy. We have adopted the most natural way to revitalize the wastewater so that the quality and natural properties of the water is sustained and we get recycled water in the best form.



## BlueDrop Systems are the Most Effective Systems for Your STP & ETP Needs

With growing technology adoption, BlueDrop has built over 100 systems across India by September 2024 for prestigious clients including Greenko, Mahindra resorts, Birla Century, Ramoji Film City, HiTex Convention, Indian Institute of Chemical Technology (IICT), Delhi Public Schools, Kanha Shanti Vanam, HPCL, IOCL, Western Railway, BWSSB, Lady Hardings Hospital and for several premium developers for their Apartment/Villa projects.

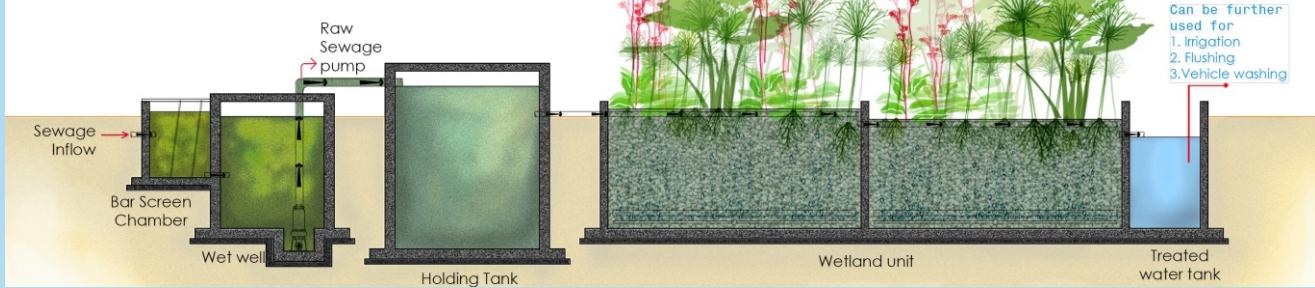
Over 1500 implementations across the world in 44 countries with its Global partners, BlueDrop provides high performing Engineered Wetlands, known as 'Aerated Treatment Wetlands' which are reliable, economical and climate friendly.

## Quick look at the merits of Aerated Treatment Wetlands

| Qualitative Parameters        | Conventional Systems (SBR/MBBR etc)    | Aerated Treatment Wetlands                |
|-------------------------------|--|---|
| Capital costs                 | High                                   | Moderate to High                          |
| Operations & Maintenance cost | Very high                              | 50% lower than conventional systems       |
| Ease of operations            | Complex & high skilled                 | Simple and easier, a gardener can operate |
| Energy usage & costs          | High                                   | 70% lower than conventional systems       |
| Odour                         | Moderate to high                       | Low to None                               |
| Sludge handling               | Cumbersome & continuous                | Once a year                               |
| Breakdowns                    | Prone to frequent                      | Least                                     |
| Ambience & Aesthetics         | Highly mechanical with industrial look | Garden like; integrates with landscaping  |
| Carbon footprint              | High                                   | Low                                       |
| Effective life                | 5 to 15 years                          | 30+ years                                 |

# How do they Work

## Aerated Treatment Wetlands



Aerated Treatment Wetland Systems rely on the ability to inject small quantities of air in an uniform pattern throughout the wetland bed. This allows operator control over the entire oxidation process during wastewater treatment while only using a small fraction of the energy required by conventional STPs.

### Conventional STP



Transitioning Steel & concrete, Electro-Mechanical Sewage Treatment Facilities to literally Green Infrastructure

### Aerated Wetlands STP



150 KLD STP set up right next to Bedrooms & Balconies

*We aim to integrate purification system into a beautiful landscape plan*

### Our Customers Have These Unique Gains With Our Systems

- Zero Odour, No Noise
- People Friendly and Pocket Friendly
- High on Aesthetics and Pleasing Ambience
- Quick to Build and Commission
- Operates at Lowest Loads and also Tidal Loads
- Potential for Modular Expansion
- Low Dependency on Manpower
- Least or No Downtime

### Industry Segments that are adopting our systems.

1. Residential
  - a. Apartments
  - b. Villa communities
  - c. Colonies & Townships
2. Office & Commercial Complexes
3. Industries
4. Hospitals
5. Schools, Colleges & Universities
6. Hotels and Resorts
7. PSUs & Govt projects
8. CSR Initiatives (Rural & Urban)

Aerated Wetland Systems are much advanced and robust than the passive Constructed Wetlands/ Phytoremediation systems. Aerated Treatment Wetlands are highly engineered to be built in lesser space while meeting newer NGT/PCB norms.



## Who have adopted?

BlueDrop has built over 100 systems across the country ranging from 1 KLD upto 2.4 MLD Capacity covering several prestigious clients.



And it's just a partial list...

## How do they look?



Kanha Shanti Vanam



Bhuj Railway Station



NCD - Vivanta



Hyderabad Central University

Convenient. Affordable. Reliable.



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