Reimagining Urban Water Bodies

Rejuvenating Mahadevapura Lake with Treated Wastewater

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Urban water bodies are a neglected asset today

1. Water bodies suffer from multiple onslaughts
2. We have lost our connect with water bodies
3. Centralized models of public water provisioning ignore local surface water resources

60 % of urban India’s sewage enters water bodies untreated
Rejuvenating Mahadevpura Lake with Treated Wastewater

Solving the pollution problem while also augmenting local water resource

Objectives:
- Treat 1MLD of wastewater inflow and discharge the treated water into the lake
- Leverage lake for water storage
- Aid groundwater recharge
- Enhance micro climate benefits in the area
- Improve urban aesthetics

Using a nature based solution to economically treat water to a desirable standard
Successful integration of modules in a new, dynamic context

An innovative diversion arrangement that is economical and robust

Intake Structure
Solid Waste Screen
Diversion Channel

Sedimentation Tank
DEWATS
Gabions + Floating Wetlands
Successful collaboration between Govt., Corporates, Citizens

- CSRs
- United Way
- Citizens Group
- Rejuvenation
- BBMP
- CDD Society
Summarizing achievements

1MLD of wastewater treated @ Rs.1.25 per KL (Opex)

Aided by Nature Based Solutions

Intake arrangements functioning robustly after two monsoons

Demonstrated successful collaboration between CSR, Govt and Citizens

Simple systems that can be managed by community
The way forward

Imagining Water Body Rejuvenation as a pathway to Integrated Urban Water Management
Partner with us

Wastewater Treatment & Reuse

Waterbody Rejuvenation

Integrated Urban Water Management

Nature based solutions for Water and Sanitation
Contact Us

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