Vaha

The missing water infrastructure for Bengaluru



Bengaluru is wasting treated water while overpaying for fresh water next door.

Rs

120-960

/ 12,000L load

Equivalent to Rs 10-80/kL

Treated water

Treated. Underused. Discharged.

Up to Rs

2,400

/ 12,000L load

Equivalent to Rs 200/kL

Tanker water

Paid for. Delivered. Overpriced.





The water exists. The buyer exists. The market does not.

Bengaluru is the best place on Earth to solve this first.

2,700+

Documented decentralised STPs

615 MLD

Treated daily by decentralised STPs

300 MLD

Apartment STP surplus market

Bengaluru is a global lighthouse case for decentralised water reuse.

Cities from Nairobi to São Paulo face the same pattern: rising demand, weak reuse, and infrastructure lag.

The water problem is not treatment. It is trust, transport, and coordination.



Supply exists. Demand exists. Policy exists. The exchange layer does not.

Vaha turns surplus STP water into a verified local supply loop.

1. Match

Apartment source to nearby construction buyer



2. Verify

Water Acceptance Pack before dispatch

WATER ACCEPTANCE PACK

PACK ID
WMP-25-05-1902

SOURCE	DESTINATION
Prestige Lake Ridge STP Bengaluru, KA	Excelsturates Site – North Gate Bengaluru, KA

DISPATCH DETAILS

Date	17 May 2025
Time	06:45 AM
Vehicle.	KA 05 AB 1234
Tanker No.	TN08

WATER QUALITY (TEST)

pH	7.1	(6.5-8.5)	✓
BOD (mg/L)	4.6	(<6)	✓
COD (mg/L)	19.2	(<25)	✓
TSS (mg/L)	12.2	(<20)	✓
Fecal coliform (MPN/100 mL)	<D	(<100)	✓

APPROVED BY (QMS)

Rudraha Tarannom
2 May 2025, 11:30 AM

Rudraha Tarannom

Lab report + chain of custody

3. Deliver

Existing tankers move water into existing site workflows



pH 6.5-8.5 | BOD <6 | COD <25 | TSS <20 | fecal coliform <100

Every core piece already exists. Vaha makes the route trusted and repeatable.

Repeatable local routes create a scalable business.

Apartment
gets paid for surplus water

Vaha
earns the coordination margin

Construction site
buys cheaper non-potable water

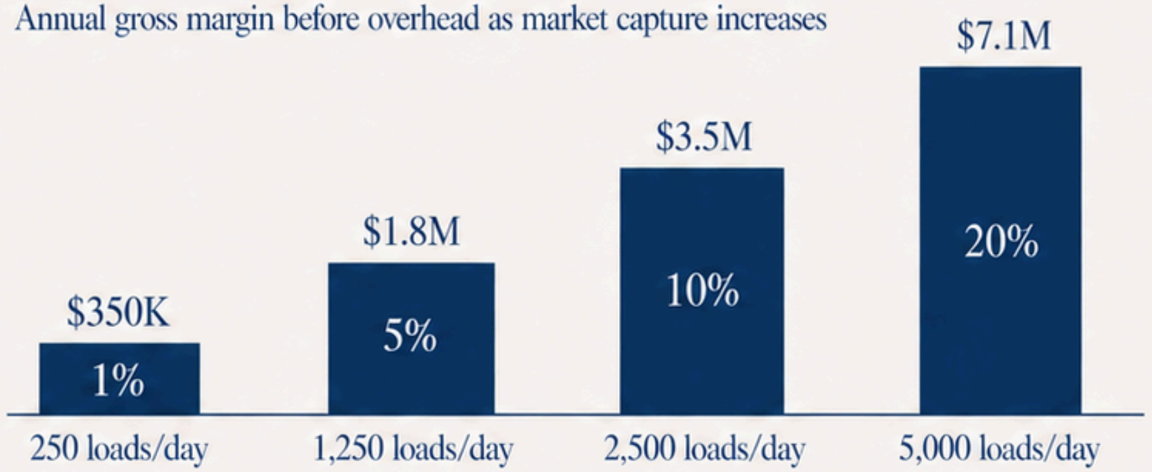
One 12,000L load

Site pays: Rs 1,200/load

Apartment gets: Rs 120/load	Logistics: Rs 700-740/load	Vaha gross margin: ~Rs 360/load

What scale looks like

Annual gross margin before overhead as market capture increases



Based on a 300 MLD apartment surplus market

The first corridor proves the route model. Bengaluru scales it.

We validated three things.

Operator validation



Vikas Brahmavar, CEO, Boson Whitewater

"Quality, reliability, and cost — that makes all the difference."

Buyer-side validation

Practicing civil engineer

"The big hurdle is trust. Site managers need assurances before they will consider alternatives."

Market proof

WELL LABS
WATER · ENVIRONMENT · LAND · LIVELIHOODS

WELL Labs spatial analysis

88% of potential users are within 2 km of an existing or planned DSTP. Demand is nearly 3x decentralised supply.

South City, Bengaluru

South City already sells surplus treated water in Bengaluru.



Christian Binz, Eawag

"Bengaluru is a potential global lighthouse case."

Vaha turns isolated reuse into a repeatable exchange layer.

One corridor. One repeatable loop.

1. Pilot corridor



Outer Ring Road, Bengaluru

2. First 90 days

- 1 apartment STP source
- 1 construction buyer
- 1 tanker partner
- 1 quality workflow

3. Success metric

30	paid deliveries
0	rejected loads

The first loop proves the route. The next loops scale it.

Bengaluru does not need to wait for more water. It needs a better way to move the water it already has.

That is what Vaha is building.



Thank you.

Vaha