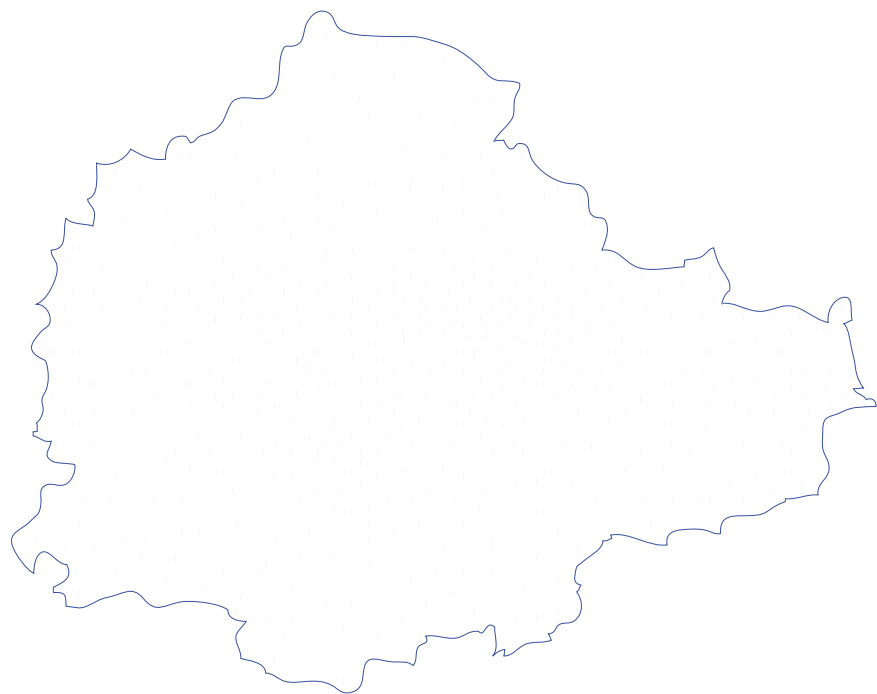




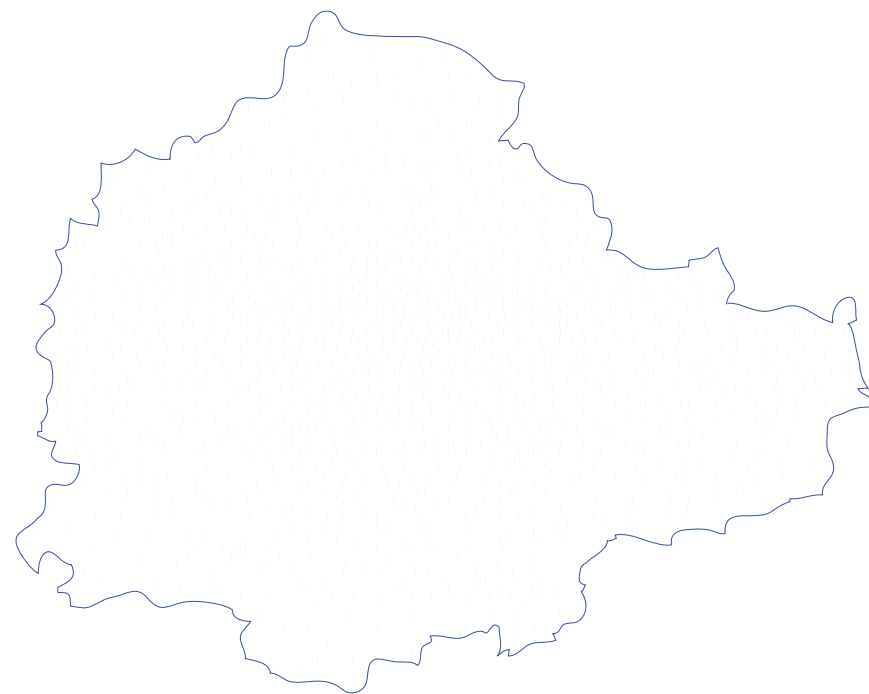
The true cost of water

Most of the time government subsidies sound like a good idea, in Bangalore we are told subsidies are used to promote a fair water cost for everyone, but is this really an accurate statement or just a pipedream. With only 60% percent of Bangalorians receiving piped water, not everyone is provided the same services. The idea of rainwater collection seems like a democratic solution but requires planning, upfront costs and approximately 40 square meters of roof space. Witch for the lower-class is unobtainable and for those who can, why bother when you're only paying 7-22 rupees per kiloliter ? In short on average the poorer you are the more you pay. Can these subsidies be modified to promote the basic right to clean drinking water rather than further broadening the gap between comfort and surviving?

10.000 CITIZENS = |

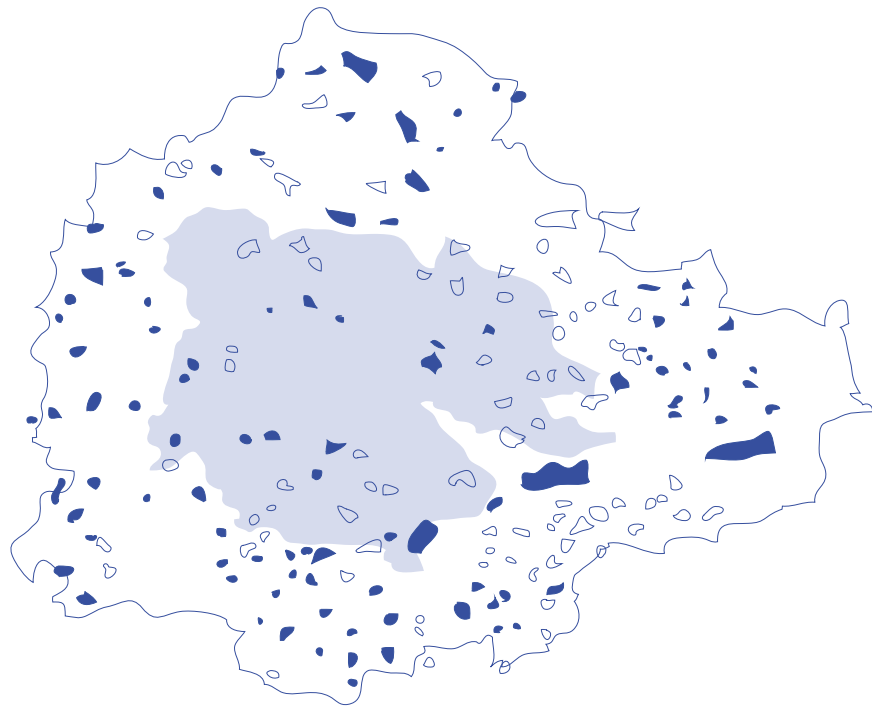




Population in 2000 = 5.581.263



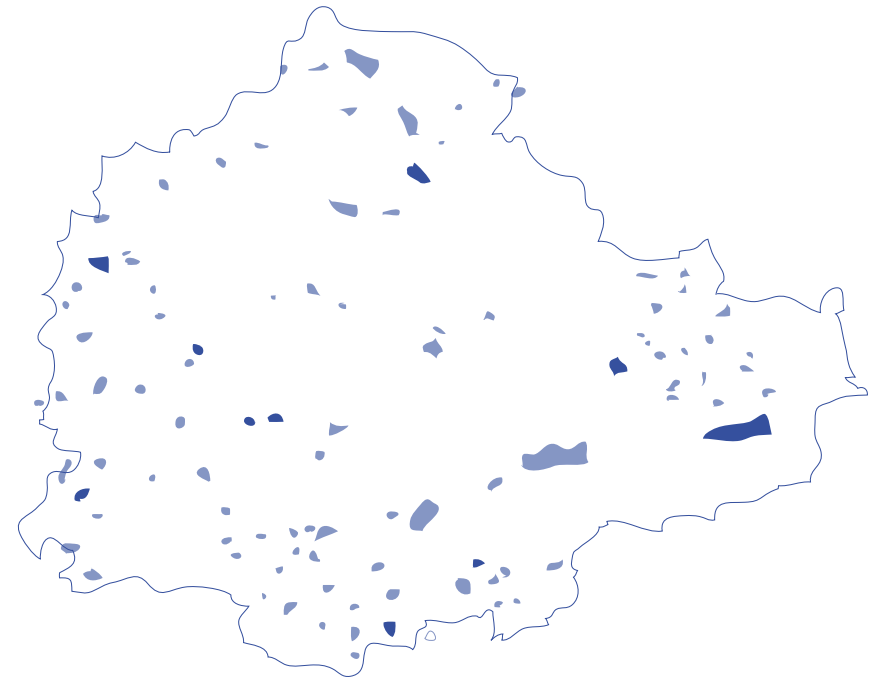
Population in 2018 = 11.440.030



DRIED OUT LAKES IN BENGALOR



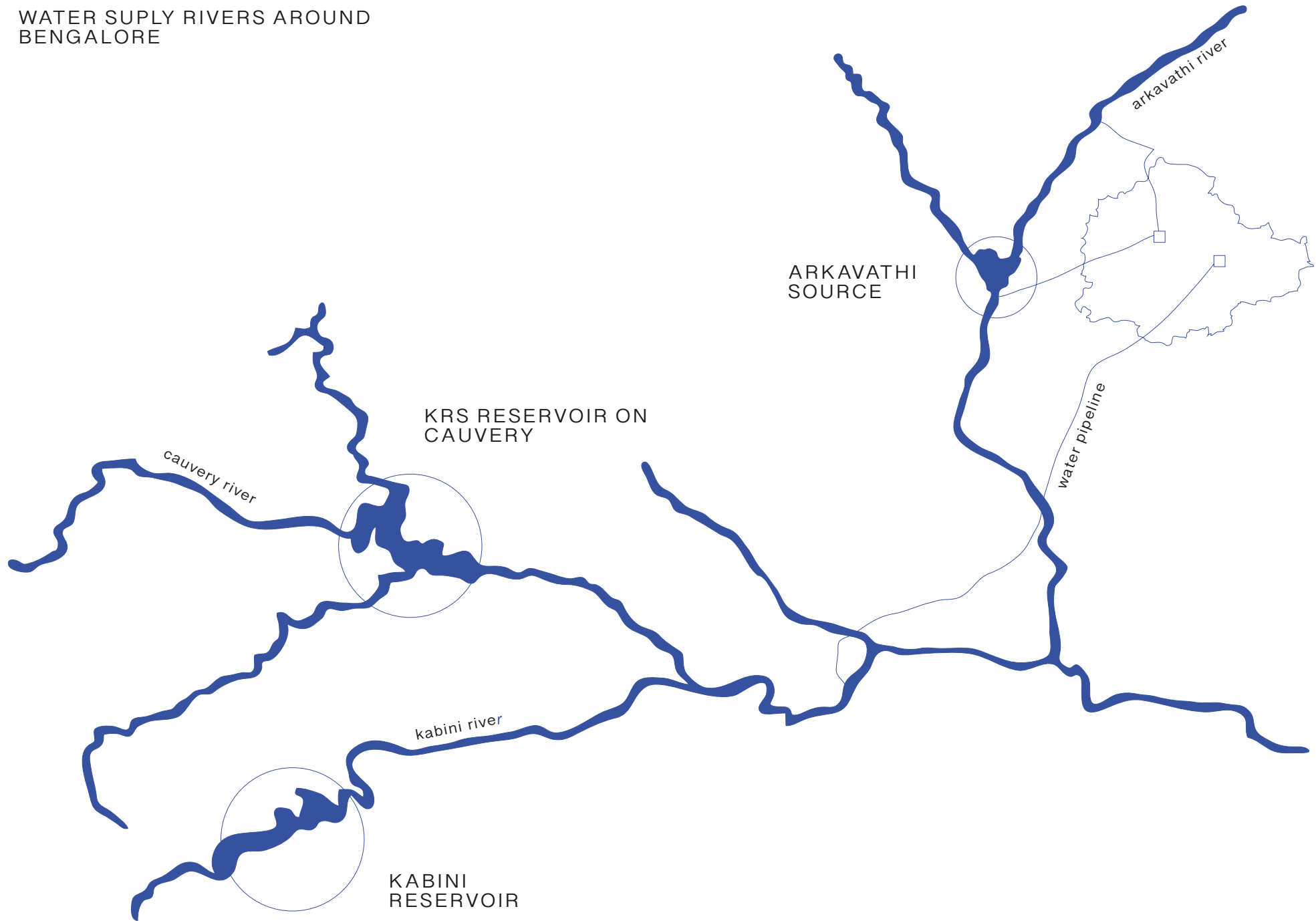
-  Lakes in Bengalore
-  Dried out Lakes

POLLUTED LAKES IN BENGALOR

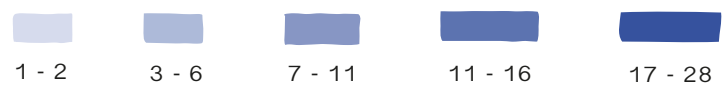
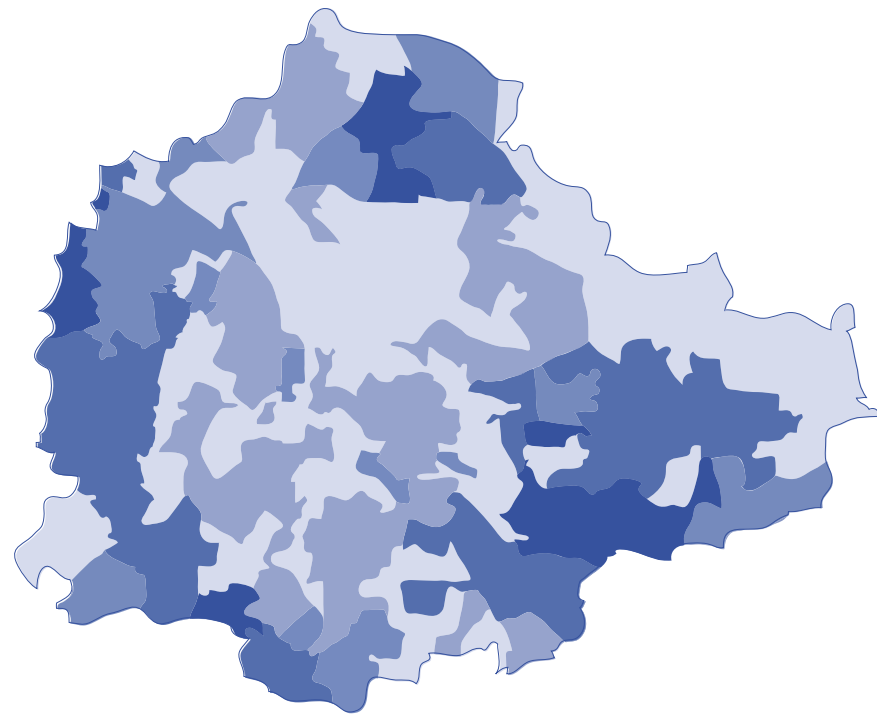


-  Lakes in Bengalore
-  Polluted Lakes

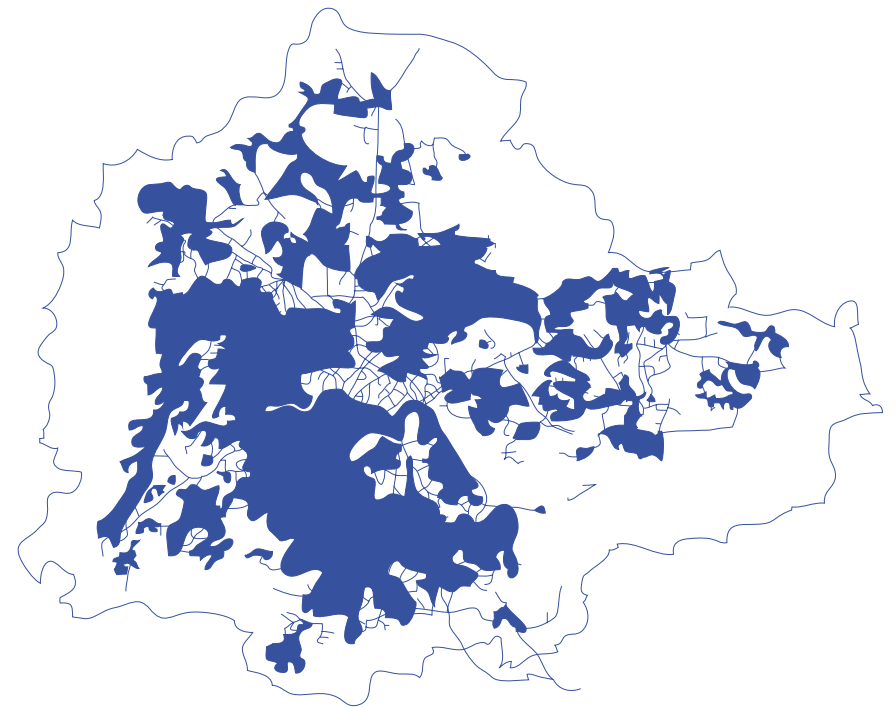
WATER SUPPLY RIVERS AROUND BENGALORE



ESTIMATED TANKERS IN BENGALORE



WATER PIPELINE NETWORK





MEETING PRASHAN KEMAEEL PATIEDI

Prashan Kemael Patiedi is an maintenance mechanical engineer, he Graduated in 2017 and worked since then at the Jakkur Lake Sewage Treatment Plant (STP). As a Maintenance engineers he ensures, that industrial machinery and equipment runs smoothly and reliably.





you work at the Jakkur lake STP facility what kind of work do you do ?

Can you explain the process of the filtration ?

Lakes in Bangalore

How is the new system been influencing the lake ?

im a mechanical engineer, past year i completed my graduation. My mane work is here to take care of the system witch is transporting the waste water to the STP and providing the treated water back to the lake.

First the water will come from all over the region and its entered to some fore-screen. In that fore-screen what happens is that the particles witch are bigger than a certain dimention will stay, only the smaller particles get through. After that there is a huge well with more than five pumps transporting the water to the next level where smaller particles get filtered. Then the water gets to the Eco-Tank, in that Eco-Tank the water is stabilized it sets down that there is no more turbulence. After stabilizing the water its send to the next tank in this Tank the new bacteria is provider to the water and the water gets oxygen. Then the water will come to the IFAS tank (integrated fixed film activated sludge system) in there we work with some bacterias witch eats the left particles in the water, the bacteria will grow and produce oxygen the oxygen is circulating the water, the water comes to the second clarifier where the leftovers gets separated again. The last steps is the Ultra filtration, in the ultra filtration is a membrane witch is even thinner than hair when the water is coming out of the Ultra filtration it gets disposed back to the Lake. After that when the government orders the water for the capicity we provide the water.

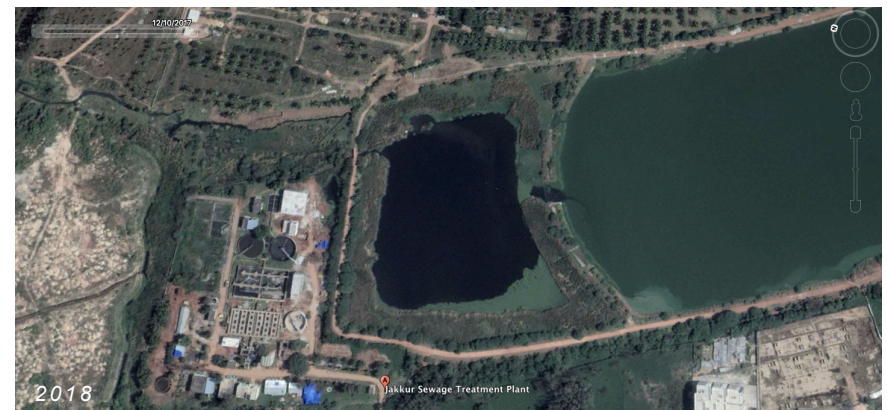
There is a government truth if you want to maintain water to the lake it should be a particular quality of water like some rate of clorine should be in the water, we are maintaining that chlorine level before sending it to the lake. Its good for the lake because before that the city send the sewedge water direct to the lake the whole nature around got effected by the bad bacteria. now we providing a water quality witch you could drink after one other filtration step like a UV filter.

Jakkur Lake Sewage Treatment Plant from

2002-2018



The satellite images document the changes in and around the Jakkur Lake since the construction of the Jakkur Lake Sewage Treatment Plant.





PERSONAL WATER STORIES

Name: Riya Biswas

Occupation: Fashion Designer

Zone (Neighbourhood): Ulsoor

What is your current source of drinking water? municipality water filtered through pure it

Why did you choose this source? Because it is safe

How does your water taste? sweet/natural

Do you have any past experiences with water that affect your choice? Ya bottled Kinley was having fungus so we shifted to filtered water at home.

Who is accountable for your drinking water being safe? the filter company-- Hindustan Unilever pure it.

Who is accountable for your drinking water being safe? The provider claims it to be pure and high quality water so I share the responsibility 50% with him.

From your imagination, sketch a picture of the source of your drinking water and the steps it takes to reach you. Please attach a photo of your drawing:



PERSONAL WATER STORIES

Name: Debolina Chakraborty

Occupation: KYC Analyst in HSBC

Zone (Neighbourhood): Indiranagar

What is your current source of drinking water?
I have my current source of drinking water as Bisleri packaged drinking water.

Why did you choose this source?
Bisleri Mineral water has always been known for its purity and also considered as the safest source of drinking water and it also comes with seal. So anytime Bisleri for me.

How does your water taste?
It tastes clean and healthy as it is packaged drinking water unlike the ground water of Bangalore.

Do you have any past experiences with water that affect your choice?
Earlier I was using the ground water which is the most available drinking water of Bangalore (Purified form of tap water) but it has caused massive sickness (Typhoid) so I have switched to Bisleri. And Bisleri is one of the trusted water companies in India.

Who is accountable for your drinking water being safe?
Growing up my only source of drinking water is Bisleri. It was when I moved in to Bangalore for my higher studies the local people suggested the normal ground water which was a bad choice; so definitely the company who is accountable and also their packaging.

From your imagination, sketch a picture of the source of your drinking water and the steps it takes to reach you. Please attach a photo of your drawing: Steps are mentioned on the diagram as per my imagination.



PERSONAL WATER STORIES

Name: My name is Aruj Ali

Occupation: I am a practicing Chartered Accountant

Zone (Neighbourhood): I am staying in Indiranagar

What is your current source of drinking water? I am currently using a drinking water provider as my source.

Why did you choose this source? Because the provider is within my preferred proximity distance-wise and it's of good quality (Bisleri)

How does your water taste? It tastes just like the packaged bottle of Bisleri (Better than the tap water)

Do you have any past experiences with water that affect your choice? I am easily prone to water borne infections so I prefer something I trust.

Who is accountable for your drinking water being safe? The provider claims it to be pure and high quality water so I share the responsibility 50% with him.

Who is accountable for your drinking water being safe? The provider claims it to be pure and high quality water so I share the responsibility 50% with him.

From your imagination, sketch a picture of the source of your drinking water and the steps it takes to reach you. Please attach a photo of your drawing: A Bisleri water plant is what comes to mind.

