

A thick black L-shaped frame surrounds the text. The top-left corner is a horizontal bar extending to the right, and the bottom-right corner is a vertical bar extending upwards. The text is centered within the open space of the frame.

# CLEAN WATER AND SANITATION

Global goals for Sustainable development

# What is Clean Water and Sanitation?

- Clean, accessible water for all is an essential part of the world we want to live in and there is sufficient fresh water on the planet to achieve this. However, due to bad economics or poor infrastructure, millions of people including children die every year from diseases associated with inadequate water supply, sanitation and hygiene.



## Use of water on the large scale:

This chart shows the usage of water by per person per day in India.

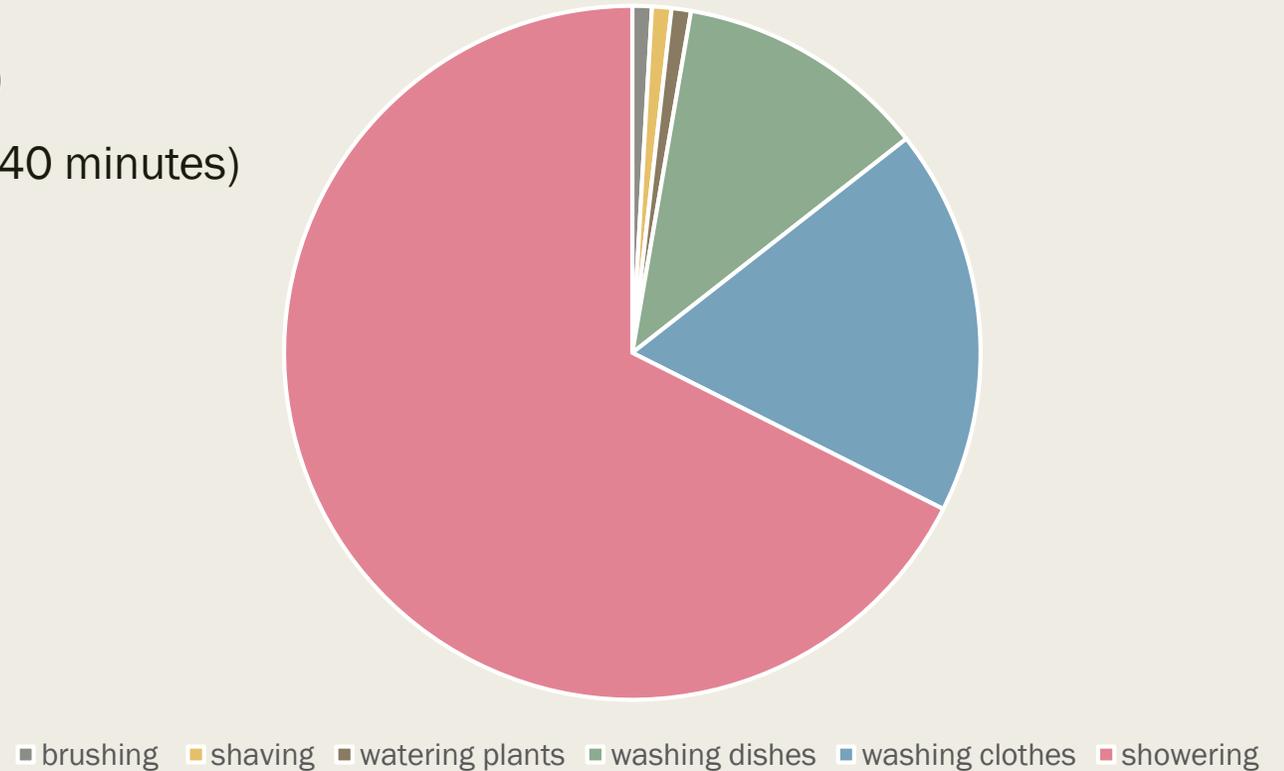
Source : [www.researchgate.net](http://www.researchgate.net)

Type of need	Quantity ( lpd )
Drinking	3
Cooking	5
Bathing	15
Washing utensils	7
House ablution	10
Total	40

# Use of water in an Indian household:

- Brushing/shaving – 1 gallon (10 minutes)
- Showering – 75/80 gallons of water (30-40 minutes)
- Watering house plants – 1 gallon
- Washing clothes – 20 gallons
- Washing dishes – 13 gallons

Use of water in gallons

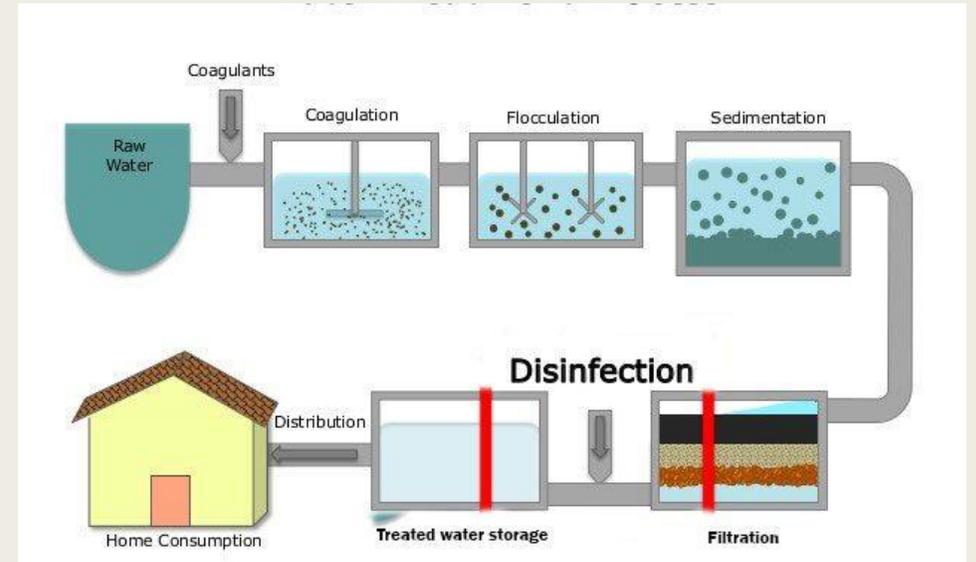


# Ways to be more sustainable with water:

- **Soak your dishes in warm water first :** Soaking your dishes is more effective than scraping them in running water. You will save water and a whole lot of effort.
- **Run your dishwasher and laundry only when its full.**
- **Use energy-efficient, water-saving devices.**
- **Cut those long showers short.**
- **Fix plumbing leaks.**
- **Shave using less water.**
- **Shut the tap off when brushing teeth.**

# How does the water come to our houses?

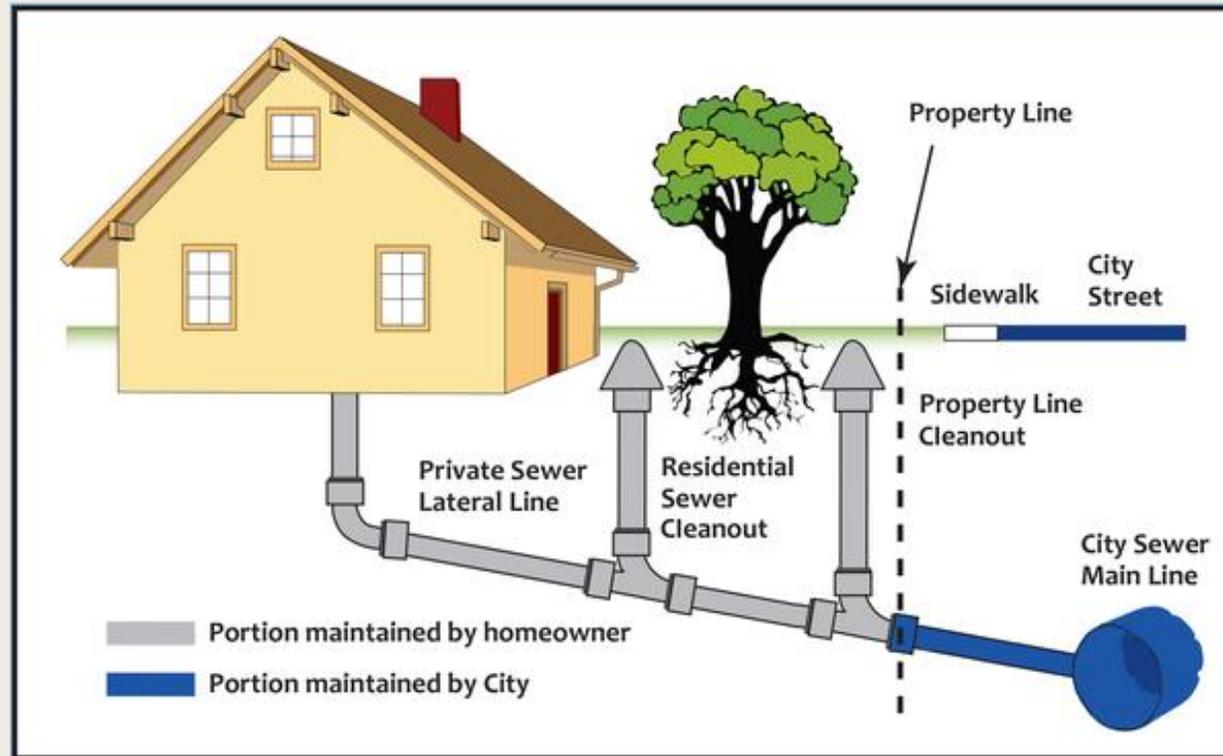
This is the process of how water comes into my household through the tap:



The treated water doesn't directly come to my house, it goes into a common tank and then gets distributed to all the apartments.

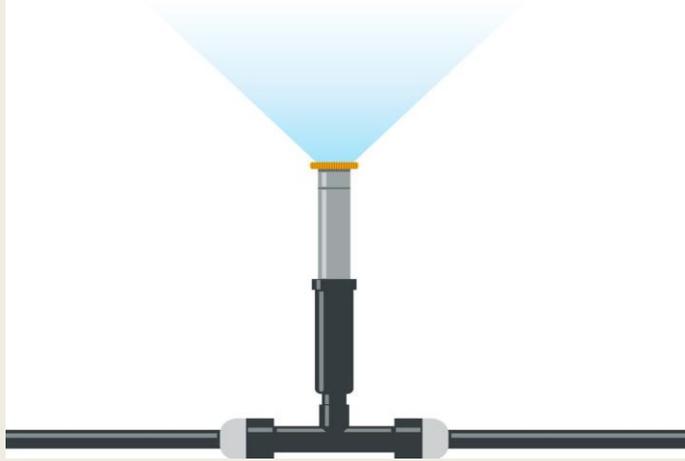
# Where does the water go when it goes down the drain?

There is a common container into which all the grey water from all the apartments gets collected. This water is then passed on to the main pipeline of Bombay.

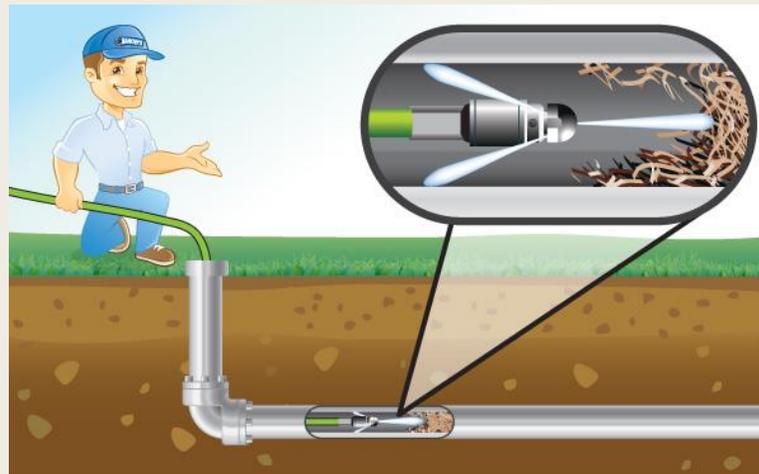


## Initiatives taken by my society:

~ Installation of Sprinkler System.



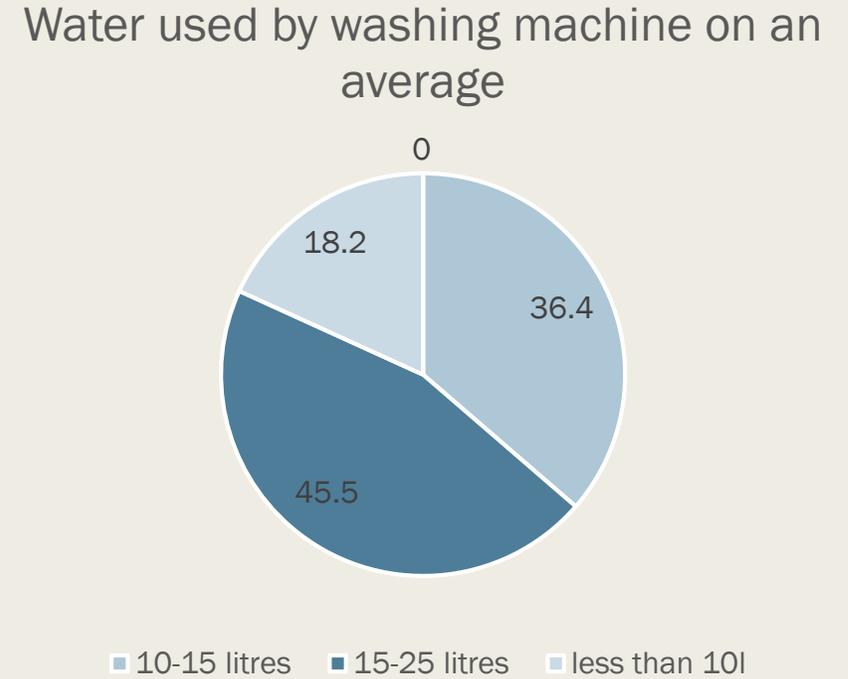
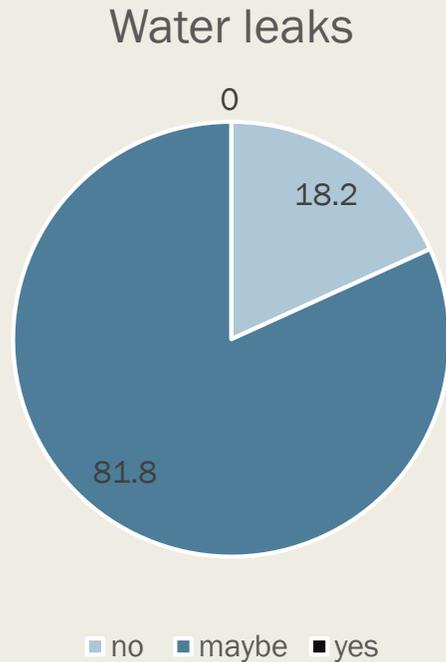
~ Regular cleaning of water pipes to avoid water clogging.



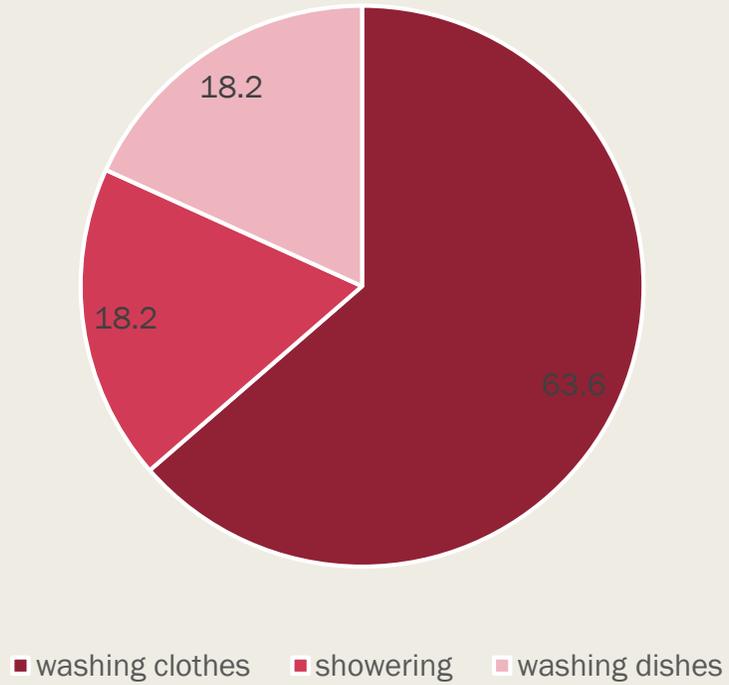
# Questionnaire

- 1) How many people live in this household?
- 2) Are there any water leaks in your house?
- 3) For how long have the leaks been present?
- 4) Are you aware of the various ways you can save water on a personal level? For eg. Turn off the tap fully, not waste potable water, etc.
- 5) On a scale of 1-10 how conscious are you about saving water?
- 6) Which activity uses the most amount of water at your house? For eg. Washing clothes, cleaning cars, showering?
- 7) On an average, are you aware of how many litres of water are being used by your washing machine?
- 8) Do you flush everyday waste down the toilet? For eg. Toilet paper, sanitary napkins, kitchen waste, etc.
- 9) Do you face water cuts?
- 10) How often do you face water cuts?
- 11) Has anybody in your house gotten ill/suffered from a water borne disease due to insanitary quality of drinking water?
- 12) How many litres of water do you think you consume in a day?

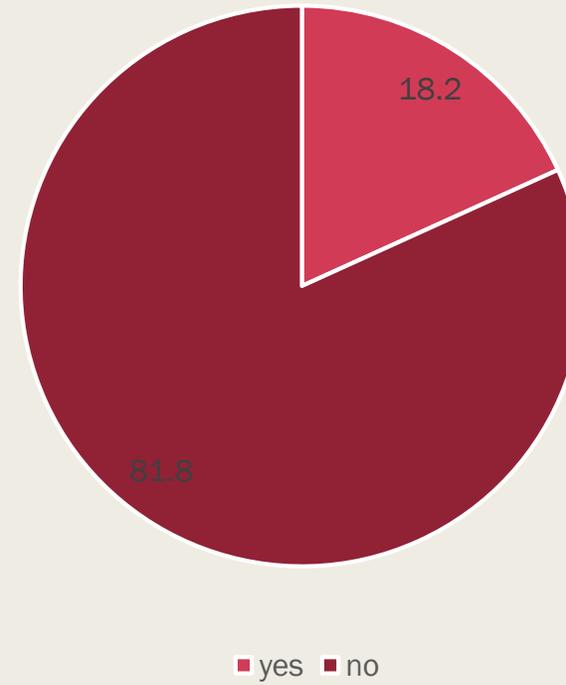
# Observations based on my survey at a micro level:



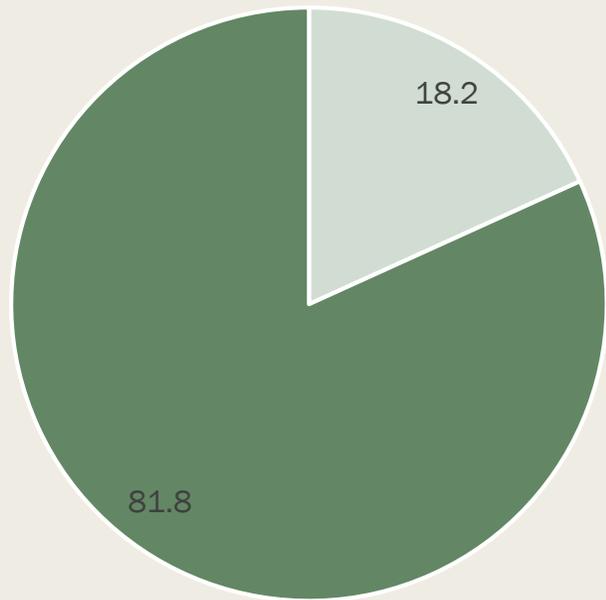
Activity that uses most amount of water



Flushing everyday waste down the toilet

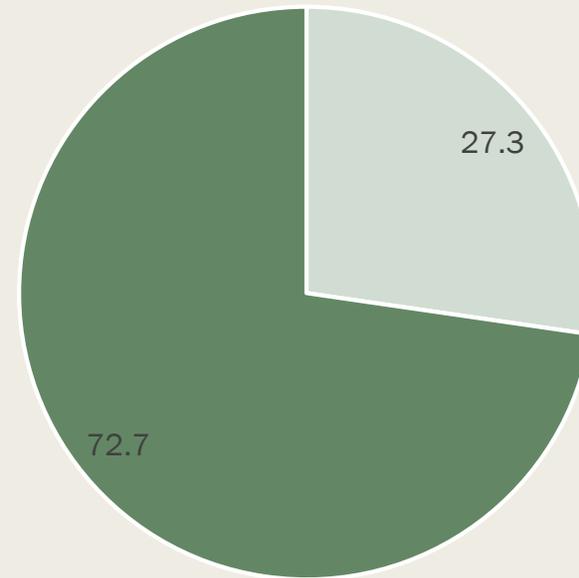


Presence of water cuts



yes no

Family members suffered from water bourne diseases



yes no

## Collated data:

- The average amount of people living under one roof in an urban area ranges from 2 to 6.
- A few people are unaware of the various ways they can save water at a personal level.
- People have ranked themselves between 7 to 10 on how conscious they are about saving water.
- Majority of the water is used for washing clothes.
- Some people are still unaware of the fact that they shouldn't flush everyday waste down the toilet.
- A very small percentage of people have suffered a water borne disease.