

A photograph of two children in school uniforms carrying a large, empty metal bucket on a wooden stick across their shoulders. They are standing in a dry, open field with trees in the background. The image is semi-transparent, serving as a background for the text.

**Make water conservation,
our obligation!**

**On this 'World Water Day' conduct a water
audit and identify means to reduce, reuse
and recycle water**

What is Water Conservation?

- Water conservation refers to the preservation, control and development of water resources, both surface and groundwater, and prevention of pollution.
- It is essential in all regions, even where water seems abundant because our water resources are finite.

Why to conserve water ?

- Helps in reducing your utility bill.
- Helps in distributing water evenly amongst people.
- Helps prevent water pollution in nearby lakes, rivers, and local watersheds.
- Prevents greenhouse gas emissions associated with treating and distributing water.
- Conserving water can also extend the life of your septic system by reducing soil saturation and reducing pollution due to leaks.
- Helps in reducing water that flows through municipal river systems hence lowering the likelihood of pollution.

How can you conserve water at home?

- Check faucets and pipes for leakage.
- Don't use the toilet as a dustbin.
- Use a bucket or install water-saving shower heads and low-flow faucet aerators .
- Turn off the taps after you wet your toothbrush.
- Food waste should not be left in the kitchen sink.
- When washing dishes by hand, don't leave the water running for rinsing.
- Don't let the faucet run while you clean vegetables, instead can be washed in a utensil.
- Water during the morning hours; avoid watering when it's windy.
- Use a bucket or efficient watering systems for plants.
- Don't run the hose while washing your vehicle.
- Use a broom, not a hose, to clean driveways and sidewalks
- Use discarded water from ROs for mopping or washing your vehicles.
- Ask your parents to invest in constructing rain water harvesting systems in houses.

Audit your water usage

Introduction

- Water audit is a qualitative and quantitative analysis of water consumption to identify means of reducing, reusing and recycling of water.
- Need for water audit
 - A water audit can help save money by reducing water bills .
 - Helps in conserving water.
 - Reduce wastage and unnecessary use.
 - Spreads awareness and sense of responsibility on the consumption patterns, supply and demand.

Let's learn how to conduct water audit!

WATER AUDIT

Please fill in your school information.

- Name of the School:

- Address:

No. of students and teachers on the premises:

- Students _____

- Teachers _____

How old is the school? _____

Water Supply

1. Do you have a Municipal / City water supply connection in your school?

a) Yes

b) No

If the answer is yes, then since when

If the answer is no, then what is the source of water _____

If the answer for Q 1 is 'no' skip Q 2, 3 and 4 and go to Q 5 directly; if 'yes' answer all

2. Do you have a water meter installed?

a) Yes

b) No

If yes, is the water meter in working condition and according to the parameters laid down by the State water body.

a) Yes

b) No

3. Do you get water bill from the State water body?

a) Yes

b) No

4. Is the supply of water satisfactory?

- a) Yes
- b) No

If no, then how do you meet the water needs of your school?

5. Have you ever called for a water tanker?

- a) Yes
- b) No

If yes, do your school management pay for it? How much?

Water Contamination

1. When you see the water from naked eyes, how clean is it?

- a) Very clean
- b) Normal
- c) Turbid

2. Have you ever used the potable water testing kit provided by TERI to test the drinking water for chemical and bacteriological contamination?

Chemical contaminants: a) Yes b) No

Bacterial contaminants: a) Yes b) No

Find out what contaminants are sampled and list them below.

3. What other substances are left on the ground after water is disposed down the drain?

- a) Soap mixed with water
- b) Food waste
- c) Other waste product

4. Where are these substances disposed of?

5. Is there any water filtration system in your school?

- a) Aqua guard
- b) Reverse Osmosis
- c) Any other

6. Do you know under which project / scheme it was installed?

- a) Yes
- b) No

If yes, name the project

Water Conservation

1. How many taps are there in your school?

- a) Canteen
 - b) Laboratory
 - c) Drinking water area
 - d) Toilets
 - e) Any other
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2. How often do you see taps dripping?

- a) Never
- b) Rarely
- c) Always
- d) I am not aware

If yes, have you taken any measures to plug the leakage?

- a) Yes
- b) No

3. How old is the pipeline that connects from the main water supply?

4. How many toilets are there in your school?

5. What is the frequency of cleaning the toilets?

6. How are the toilets cleaned?

- a) Through buckets
 - b) Through hose
 - c) Swept
 - d) Any other
-

7. Does the school have a plan for managing and reducing water run off from school grounds?

- a) Yes
- b) No

Is there a rainwater harvesting structure in your school?

- a) Yes
- b) No

If yes, What are its benefits?

8. Which organization helped you put up the structure?

- a) State water body, e.g Delhi Jal Board
 - b) Central Ground Water Board Centre for Science and Research
 - c) TERI
 - d) Any other, please specify
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8i) If no, have you heard about the concept of Rainwater Harvesting?

- a) Yes
- b) No

8ii) Would you like to install one?

- a) Yes
- b) No

9. How are concrete areas and pathways in school cleaned?

- a) Through hose
 - b) Swept
 - c) Any other method
-

d) Never cleaned

9 10. Are there any water conservation signs in your school like (turn off the tap, save every drop etc)

a) Yes

b) No

11. If you have a water meter installed, please indicate the total amount of water (in litres) being consumed on a daily basis.

12. Is waste water being reused or recycled?

a) Yes

b) No

If yes, for what activities?

13. Is there a separate waste water disposal system i.e. one from drinking water / kitchen area and other from toilets?

a) Yes

b) No

14. Is there any action taken against the students who waste water?

a) Yes

b) No

If yes, please specify

15. Do the school authorities ensure that all taps and other water outlets in the school are closed at the end of the school day?

a) Yes

b) No

16. Does the school have a proper sewage collection and disposal network till the nearby sewer line?

a) Yes

b) No

17. Are there any water conservation programmes being implemented in schools for awareness generation?



Save Water!

Perform the activity and submit

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