

WATER CONSERVATION

Every Drop Counts: Conserve

WATER

A close-up photograph of a single water droplet falling into a pool of water. The droplet is captured mid-fall, just above the surface, creating a small splash and concentric ripples that spread outwards. The water is a deep, clear blue, and the lighting highlights the droplet's spherical shape and the texture of the ripples.

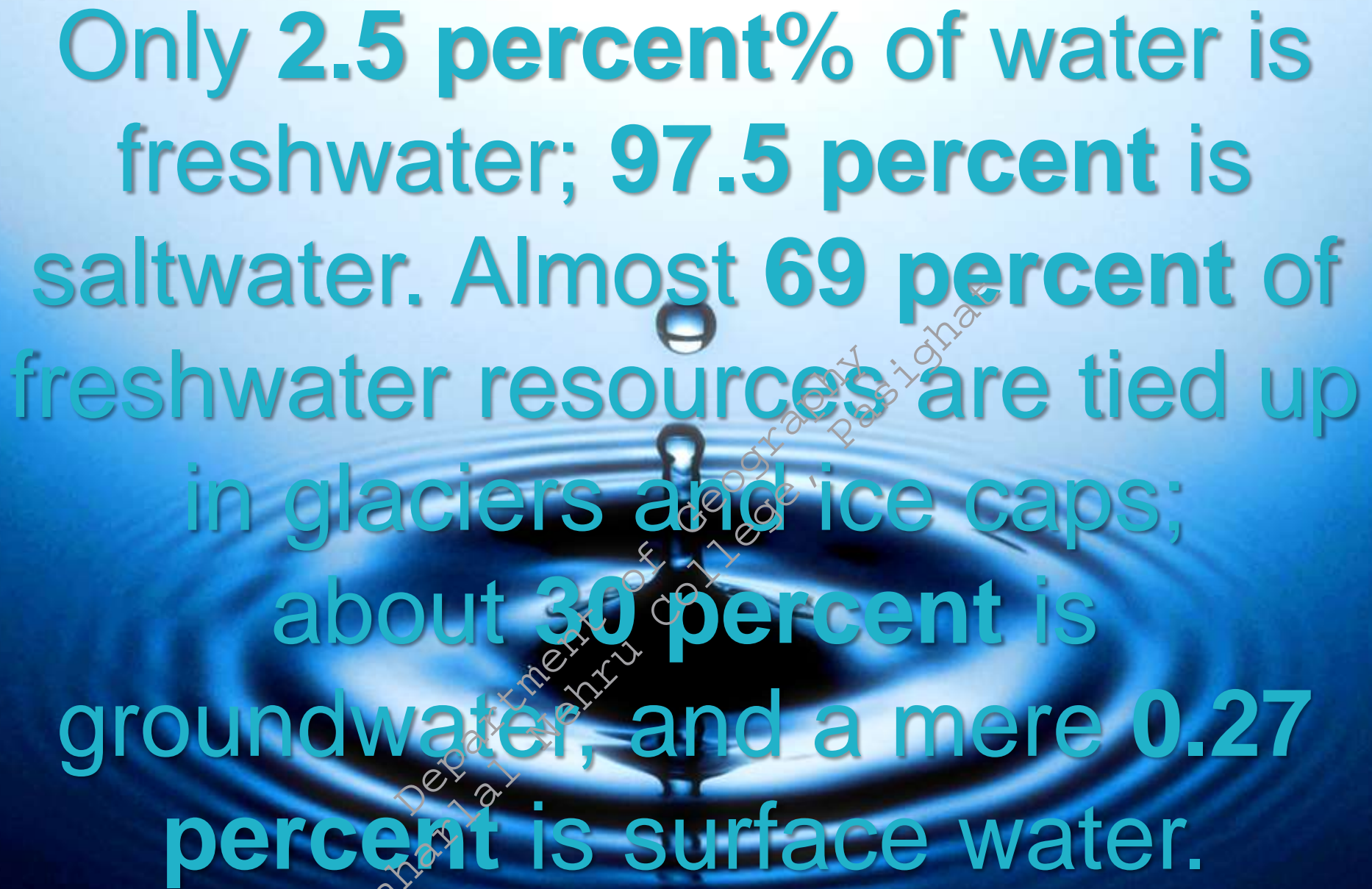
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OTA SHIVAJI COY CHEST NO 95

The background of the slide features a close-up of water droplets falling into a pool of water, creating concentric ripples. The overall color palette is various shades of blue, from light to dark. The text is overlaid on this background in a light blue, sans-serif font with a subtle drop shadow.

Only **2.5 percent%** of water is freshwater; **97.5 percent** is saltwater. Almost **69 percent** of freshwater resources are tied up in glaciers and ice caps; about **30 percent** is groundwater, and a mere **0.27 percent** is surface water.

What is Water Conservation?

Water conservation is a practice in which people, companies, and governments attempt to reduce their water usage.



Facts about Water

- Human body is 66% water
- A living tree is about 75% water
- Almost 80% of the earth's surface is covered with water

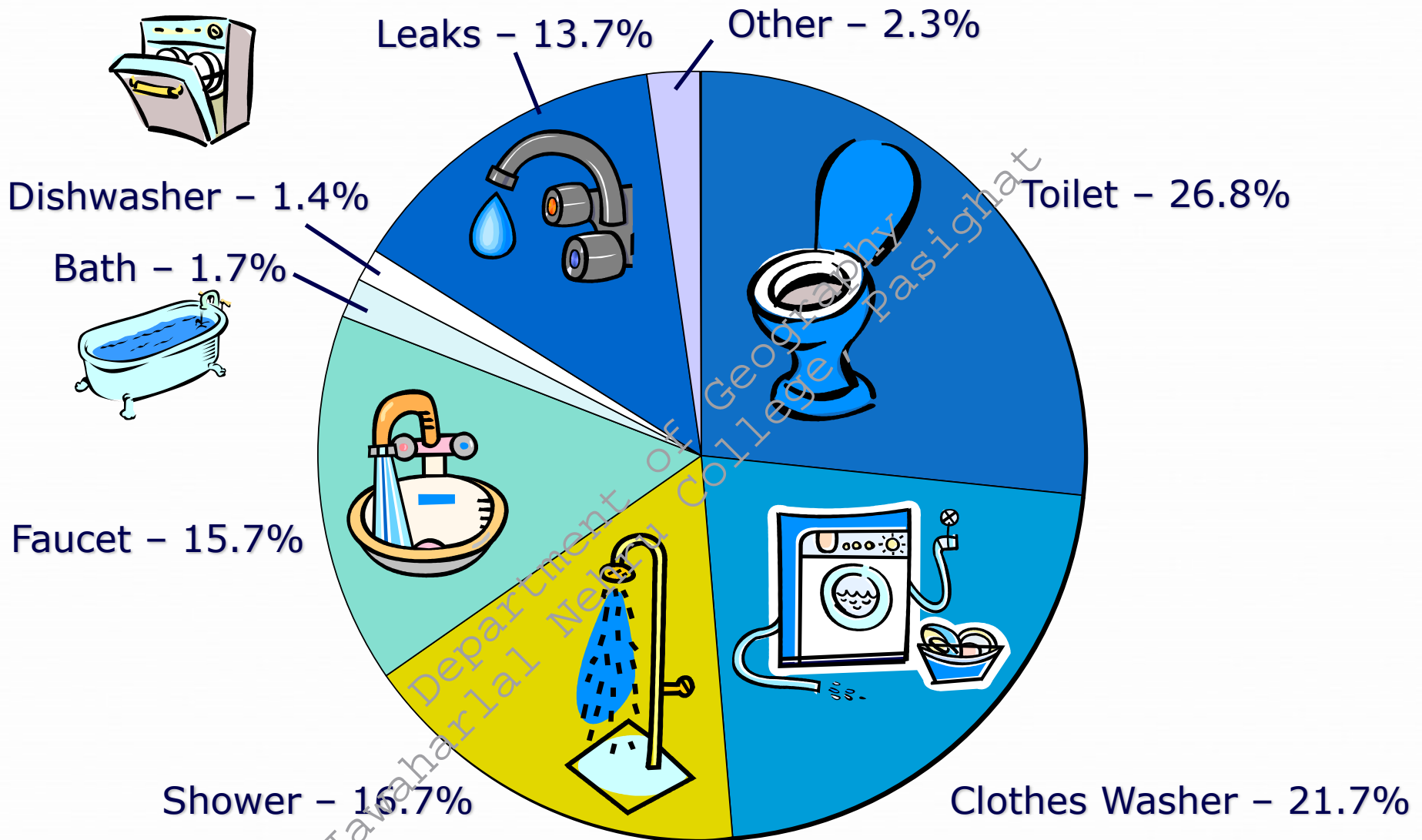
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A blue background with a water droplet and ripples. The text is centered over the image.

Water is everywhere, so
why do we need to
conserve it?

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Residential Indoor Uses of Water Dev Countries



India



- Shower and Bath
- Toilet Flushing
- Laundry
- Kitchen & Drinking
- Cleaning

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How much water do you use?

- Estimate the number of times you do the following on a day you are at home.
 - Shower
 - Flush the toilet
 - Brush your teeth
 - Shave
 - Do a load of laundry
 - Run the dishwasher

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5 Easy Water Saving Tips

- **W**ash laundry & dishes with full loads
- **A**lways turn off running water
- **T**ake shorter showers
- **E**liminate any and all leaks
- **R**educe the flow of toilets & showerheads

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Always turn off running water

- Average faucet water flow:
 - Older 2 to 3 gallons per minute
 - New ≤ 1.5 gallons per minute
- Turn the water on and off when:
 - Brushing your teeth
 - Shaving
- Keep drinking water in refrigerator
- Defrost food in the refrigerator
- Compost instead of using the garbage disposal

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Always save clean running water

- Collect water in buckets while waiting for shower water to warm
- Use it for:
 - Watering indoor plants
 - Mopping the floor
 - Household chores

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Gray water

- Before reusing water or using “gray water” from bathtubs, showers, sinks and washing machines, contact your local health department/People. Several communities do not allow the use of gray water.

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Take shorter showers

- Reduce your 10 minute shower to 5 minutes
 - Save up to 80 gallons of water
- Take a “navy shower”
 - Turn the water off while you lather up and shampoo
 - Install a toggle switch to maintain a consistent temperature
- Lower your bath water
 - Follow the 5-inch rule

Eliminate any and all leaks

- LEAKY FAUCET

- One drop per second = 9.5 gallons a day

- LEAKY TOILET

- 15 gallons of water a day lost

- FINDING TOILET LEAKS

- Remove the toilet tank cover and put in 5 to 10 drops of food coloring.
- Wait 30 minutes.
- If any color leaks into toilet bowl then you have a leak and you should fix it immediately.

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Reduce the flow of toilets

- Almost half of the water used in a home is for toilets & showers.
- Replace old toilets with new models using 1.5 gallons per flush (gpf) or less

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Reduce the flow of showerheads

- Measure water flow
 - Hold a bucket under the showerhead.
 - Turn the water on full blast for thirty seconds.
 - Measure the number of cups of water in the bucket and multiply by two to get the number of gallons per minute.
- Replace showerhead if over 2.5 gallons per minute
 - Older showerheads use 3 to 10 gallons per minute

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Low-Cost Ways to Save Water

- Toilet
 - Flush less often
 - Don't use it for a trash can
- Shower
 - Cut your shower time in half
- Bathing (tub)
 - Reduce water level to 1/3 full or 5 inches

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Low-Cost Ways to Save Water

- Install aerators on faucets
 - Reduce the flow from 2 to 3 gpm to 1.5 gpm
- Wash full loads of laundry & dishes
- Stop washing one dish at a time
 - Save up to 15 gallons by washing & rinsing in the sink or a dish pan

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Low-Cost Ways to Save Water

- Change your teeth brushing and shaving behaviors
 - Wet your toothbrush and then turn the tap off (save about 5 gallons)
 - Turn the tap on and off while shaving
 - Brush your teeth and shave in the shower

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Long-Term Water Conservation

- Toilet
 - Install a low-flow or high efficiency model that uses 1.5 to 1.3 gallons per flush
 - When shopping, look for the WaterSense label
- Shower
 - Install a 1.5 gallons per minute showerhead

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Long-Term Water Conservation

- Clothes Washer
 - Replace your old washer with a high efficiency machine that uses less than 28 gallons per load
- Dishwasher
 - Replace your old machine with a high efficiency model that uses 4 to 7 gallons per load
- Look for the ***Energy Star*** label

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Long-Term Water Conservation

- Hot Water
 - Insulate water pipes to get hot water faster and avoid wasting water while it reaches the correct temperature
 - Install an on-demand or tankless hot water heater

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Summary

- Water Conservation is about more than buying new gadgets.....
- It's about changing your habits.

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The background of the slide features a blue gradient with a central focus on a water droplet that has just hit a surface, creating concentric ripples. The text is overlaid on this image.

● GO HOME, THINK
TWICE FOR A DROP
BEFORE USE

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- **THANK YOU**
- **HAVE A NICE DAY**

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