

## 1. Introduction

The following report highlights the water quality issues reported by hostel residents and faculty members. The concerns include turbidity, discoloration, presence of impurities, slow water flow, and health-related effects such as hair fall and skin irritation.

## 2. Observations & Issues Reported

### A. Water Quality Concerns:

- Many residents reported **hair fall, skin-irritation, and water hardness**.
- Some mentioned the **presence of impurities** such as dust particles, mud, and worms.
- **Unusual taste** in water, sometimes resembling bleach.
- **Water-discoloration**, with reports of water appearing dark or murky.

### B. Water Availability Issues:

- Frequent **shortages of drinking and bathing water**.
- Water dispensers in some hostels provide **slow or inconsistent flow**.
- Hot water availability is inconsistent, especially in winter.

### C. Plumbing & Maintenance Problems:

- Leakage in pipes and bathrooms.
- Water coolers and taps are rusted and malfunctioning.
- Frequent **motor issues** leading to supply disruption.

## 3. Health-Related Concerns

- Multiple residents have suffered from **throat infections, blood infections, diarrhea, and cough** due to poor water quality.
- Hard water has contributed to increased **hair fall and dandruff**.
- Some residents avoid drinking hostel water due to **unpleasant taste and high TDS levels**.

## 4. Suggestions & Recommendations

- **Install RO Water Purifiers:** Each hostel should have at least one RO water purifier for safe drinking water.
- **Regular Water Testing:** Conduct periodic water quality tests to ensure safety.
- **Improve Plumbing Infrastructure:** Repair leaks, replace rusted taps, and ensure proper flow in dispensers.

- **Enhanced Maintenance:** Increase the frequency of maintenance checks for coolers, pipes, and motors.
- **Alternative Water Sources:** Install additional water fountains and ensure cold/hot water availability in all hostels.

## **5. Conclusion**

The data indicates significant water quality and availability concerns across multiple hostels. Addressing these issues through infrastructure improvements, better maintenance, and water purification systems will significantly enhance the living conditions for hostel residents.