SHAHEED HIMAYUN MUZZAMIL MEMORIAL

GOVT. DEGREE COLLEGE ANANTNAG, KHANABAL, ANANTNAG

DEPT. OF WATER MANAGEMENT

Report on Educational Tour to the Sewage Treatment Plant, Srinagar

Date: 17 September 2026

Students of our college visited the Sewage Treatment Plant (STP), Srinagar, to see how urban wastewater is treated before being released into natural water bodies. The visit aimed to connect classroom concepts of environmental science with real-world practice, especially in light of the pollution pressures on Dal Lake.

Objectives

- To understand the stages of wastewater treatment.
- To observe the plant's technology and operations.
- To learn the role of STPs in protecting water bodies and public health.

Observations

Plant engineers briefed us on how sewage moves through the plant:

1. Preliminary treatment: Screens and grit chambers remove large debris, plastics, and sand.

2. Primary treatment: Sedimentation tanks let suspended solids settle as sludge.

3. Secondary (biological) treatment: Microorganisms break down organic matter in aeration tanks, followed by secondary clarifiers.

4. Tertiary treatment and disinfection: The effluent is polished and disinfected to meet discharge standards.

5. Sludge handling: Collected sludge is thickened, digested, and dried for safe disposal or reuse.

We also saw the laboratory, where staff test key parameters such as BOD, COD, pH, dissolved oxygen, and suspended solids to monitor effluent quality.

Learning Outcomes - Understood how biological processes are used to clean wastewater.

- Recognized the link between untreated sewage, eutrophication, and the decline of lake ecosystems.
- Appreciated the importance of regular monitoring and skilled plant management.
- Became aware of challenges such as rising sewage load, power needs, and sludge disposal.

The tour was informative and practical. It showed that sewage treatment is essential for conserving Kashmir's fragile water resources. Students felt more responsible toward reducing household waste, avoiding dumping of solid waste into drains, and supporting conservation efforts.


Geo-Tagging Camera
2026/09/17 08:30
Anantnag,
Administration Block, Khanabal, Anantnag, 192101
Lat 33.735928 Long 75.152578
Google


Geo-Tagging Camera
2026/09/17 11:03
Srinagar,
4V4G+8R6, Boulevard Rd, Srinagar, 191121
Lat 34.105925 Long 74.876803
Google


Geo-Tagging Camera
2026/09/17 11:05
Srinagar,
4V4G+8R6, Boulevard Rd, Srinagar, 191121
Lat 34.10607 Long 74.876995
Google


Geo-Tagging Camera
2026/09/17 11:09
Srinagar,
4V4G+8R6, Boulevard Rd, Srinagar, 191121
Lat 34.105868 Long 74.87694
Garden
Google


Geo-Tagging Camera
2026/09/17 11:11
Srinagar,
4V4G+8R6, Boulevard Rd, Srinagar, 191121
Lat 34.105868 Long 74.87694
Garden
Google


Geo-Tagging Camera
2026/09/17 11:10
Srinagar,
4V4G+8R6, Boulevard Rd, Srinagar, 191121
Lat 34.105868 Long 74.87694
Garden
Google



HOD
Water Management