

World Environment Week 2025

Theme: “ENDING GLOBAL PLASTIC POLLUTION”

Report of educational tour to Sewage Treatment Plant Anantnag on 04/06/2025

As part of the **World Environment Week 2025** celebrations under the theme “*Ending Global Plastic Pollution*”, the Department of Environmental Science, in collaboration with the NSS Unit of Government Degree College Uttersoo, organized an educational-cum-experiential visit to the Sewage Treatment Plant (STP), Anantnag on 4th June 2025. The said tour was flagged off by our Worthy Principal, **Prof Mushtaq Ahmad Sohil**, who is very much enthusiastic towards the conservation of nature, particularly water resources. The visit was aimed at providing students with practical exposure to wastewater treatment processes and sensitizing them to the importance of environmental conservation and sanitation management.

A group of enthusiastic students from various academic streams participated in the visit. The students were accompanied by **Prof. Rouoof Habib**, Head of the Department of Environmental Science and NSS Programme Officer, who guided them throughout the tour and clarified doubts wherever necessary. The visit was made possible through the kind permission granted by **Dr. Basharat Hussain**, Head, Operations and Maintenance, STP Anantnag.

At the STP, students were warmly welcomed and briefed by **Mr. Bilal Ahmad**, Environmental Expert at the facility. He delivered a detailed demonstration of the functioning of the Sewage Treatment Plant, highlighting the three major stages of treatment—primary, secondary, and tertiary treatment. Mr. Ahmad explained the activated sludge method, a key part of the biological treatment stage, and the chlorination method, used to disinfect the treated water before discharge.



He further elaborated on the process of sludge coagulation, which helps in the solidification and safe handling of sludge. One of the highlights of the session was the display of organically grown vegetables cultivated using treated sludge, which helped students appreciate the concept of resource recovery from waste.

Students were then given a practical tour of the plant. They observed various units such as the screening chamber, grit chamber, biological treatment unit, and chlorination tank in action. The group was also taken to the laboratory section of the STP, where **Mr. Bilal Ahmad** demonstrated the analysis of Dissolved Oxygen (DO) in both the inlet and outlet sewage. The demonstration revealed that the DO levels in the outlet sewage were significantly higher than those in the inlet, indicating effective treatment of wastewater.

The STP Anantnag has a treatment capacity of 4 million litres per day (MLD), while it currently receives around 2 MLD of sewage from 18 wards of Anantnag town. This important detail highlighted the scalability of the plant and its role in protecting local water bodies from pollution.

The visit proved to be a highly enriching and educational experience for the students. It helped bridge the gap between theoretical knowledge and real-world application in the field of environmental science and sanitation. The Department of Environmental Science extends its gratitude to the STP staff for their cooperation and insightful demonstration, and hopes to organize more such visits in the future to promote environmental awareness and experiential learning among students.



P4jw+p4v, Stadium Rd, Banghidar, Anantnag, 192101

Latitude	Longitude
33.731943333333334°	75.144681666666667°
Local 11:58:50 AM	Altitude 13.33 m
GMT 06:28:50 AM	Wednesday, 04.06.2025



01 Islamabad - Chatpal Rd, Kp Rd, Banghidar, Anantnag, 192101

Latitude	Longitude
33.732124999999999°	75.144323333333333°
Local 11:53:17 AM	Altitude 1597 m
GMT 06:23:17 AM	Wednesday, 04.06.2025



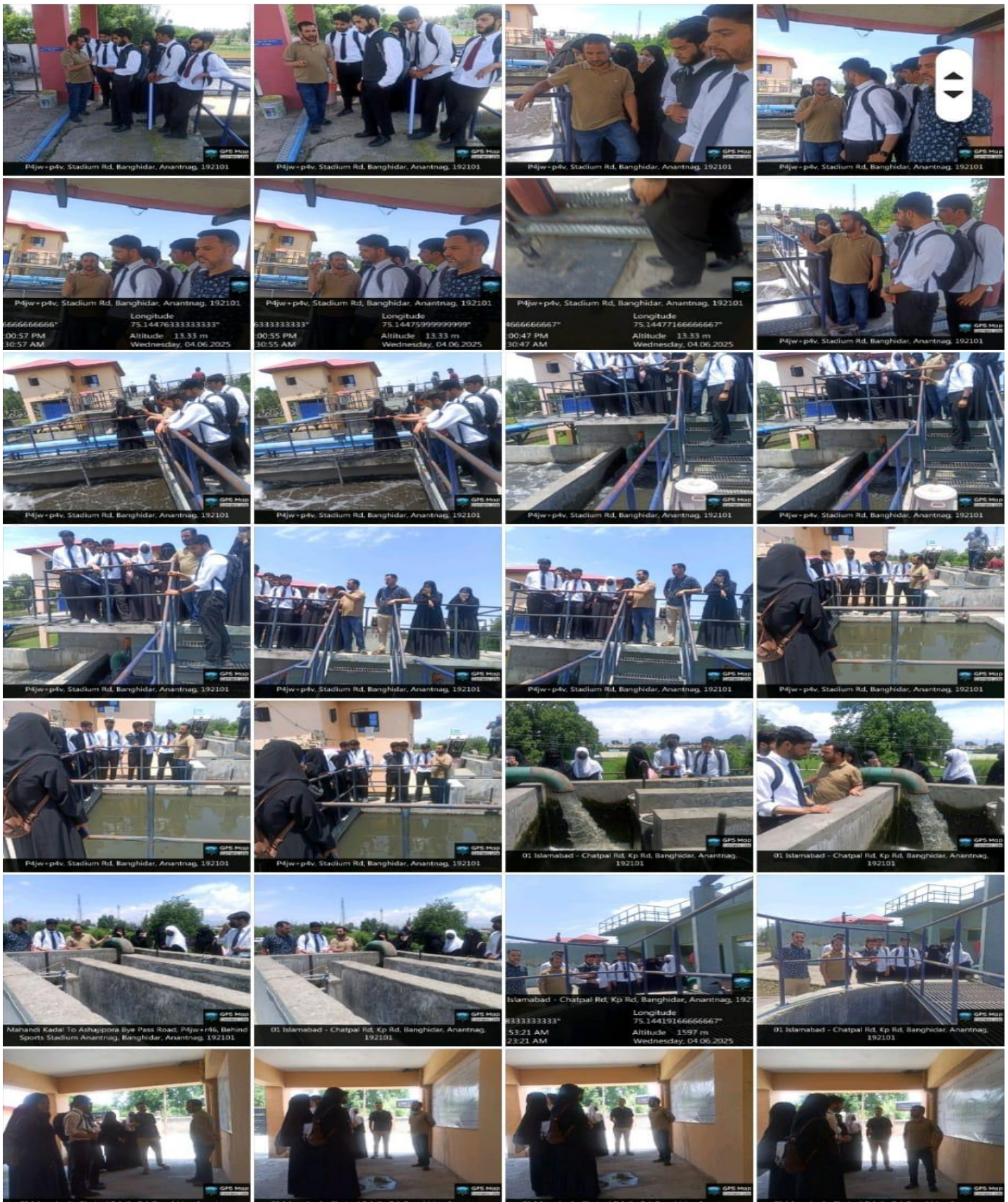
01 Islamabad - Chatpal Rd, Kp Rd, Banghidar, Anantnag, 192101

Latitude	Longitude
33.732258333333334°	75.144245°
Local 01:14:57 PM	Altitude 13.33 m
GMT 07:44:57 AM	Wednesday, 04.06.2025



P4jw+p4v, Stadium Rd, Banghidar, Anantnag, 192101

Latitude	Longitude
33.731943333333334°	75.144681666666667°
Local 11:58:46 AM	Altitude 13.33 m
GMT 06:28:46 AM	Wednesday, 04.06.2025



HOD
Environmental Science

Principal
GDC Uttersoo