

Brief Report:
Visit to Water Treatment Plant

“Kathota Water treatment plant, Lucknow”
for the students of
Civil Engineering BBD ITM
on 16th April 2024.



Organized by:
Civil Engineering Department
BBDNITM, Lucknow

Purpose: The purpose of the visit was to familiarize the students with the procedure of water treatment and distribution.

The Department of Civil Engineering, Babu Banarasi Das Institute of Technology & Management, Lucknow organized a visit to the water Treatment Plant Kathotha, Chinhut Lucknow on 16th April 2024 for a group of students of Civil Engineering. The students were accompanied by the faculty members.

The Kathotha water treatment plant receives water from the Sharda canal through the length of trunk and branch lines. The total plant capacity is around 80 MLD.

The visits include presentations and demonstrations by team members of project engineers, who explain all the details and benefits of the project. They were then escorted on a tour of the site, where they were given a detailed explanation of the project. They observed the work achieved so far on the ground.

A step-by-step guide describing what happens at each stage of the treatment process and how various inorganic and organic contaminants are removed to help keep our waterways clean. On all sites, the students saw first-hand how the water for treatment is collected, processed, and disposed of sludge. These processes included screening, grit removal, coagulation, filtration, and disinfection.

Through the visit, students got an in-depth knowledge of the various components of the treatment plant based on rapid sand filter. They also became familiar with the working principle and functions of various units of the treatment plant such as screens, grit chamber, primary clarifier, reactor unit, secondary clarifier, rapid sand filtration, etc.

During the plant visit, students also learned about the daily monitoring of treated water by various chemical analyses of pH, BOD, COD, etc. The visit was quite helpful for the students to get practical knowledge regarding the functioning and process of water treatment plants.



