



POORNIMA

INSTITUTE OF ENGINEERING & TECHNOLOGY

REPORT-STP



Date of Site Visit-17 Jan 2019

Mr. Shamal Burman

Co-ordinator

Dr. Pran Nath Dadhich

(HOD Civil, Department)

Objective: To get to know the students about concern related with sewerage water treatment. The different kind of process and methodology involved in the treatment process of the waste water. They under well trained and experienced engineer are acknowledged with how the pure water that we use can also be produced by the waste and sewerage water by some process.

Expected Results of the Activity:

The students after the activity will get to know how actually the treatment of sewerage water took place. They will get to know the practical application of the subject in their course Environmental Engineering-(I/II). They will get to experience the whole process at the site. Under the guidance of well trained workers and engineers, they will eventually learn a lot. They will get to learn how different screens, processes like Aeration, Chlorination, Sedimentation etc. actually takes place in practical. All around their understanding about the subject will get to boost up and enhanced. Apart from these they will also get to interact with the site engineer, they will get to know the amount of money is invested and how the government are concerned and aware about the water availability. Overall their learning will increase.

Instructor:

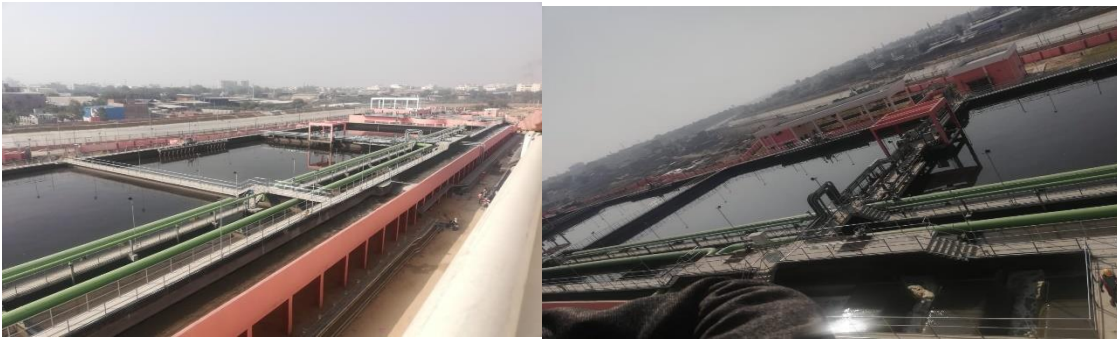
We have 3 faculties : Mr. Narendra Bhadana, Mr. Vikas Sharma, Mr. Shamal Burman

And 5-6 site engineers as our instructors.



About activity:

The activity is all about visiting a site where construction of Sewerage Treatment Plant(STP) is taking place. The student are shown and taught about the whole process of treatment of sewerage water, about the origin of waste water and the explanation of each sub-treatment procedure. The students are divided into groups led by the site engineers and these engineers taught about the whole programme and process of treatment to the students.



Participants:

The students of 3rd year both the sections 6A and 6B were the participants in the whole activity of site visit.



STP Questions

1. Which type of sewerage system is used ?
2. Capacity of treatment plant?
3. Cost of installation of T.P?
4. Only sewage water is treated or mixed sewage storm water?
5. Total no of T.P in Dravyavati River.
6. Total no of canal fall?
7. Which alignment method is used for aligning the canal?
8. Types of methods used for installation of the canal lining?
9. Types of Equipments used?
10. Which types of pumps used in treatment plant?
11. Any separate combination for toxic material in sewage?
12. Total no. of outlet constructed on the dravyavati?
13. What is the minimum area required for any treatment plant for water & sewage?
14. Which type of canal fall used in dravyavati river?
15. Which type of method is used for treatment of the sewage?
16. Which sedimentation process is used?
17. Which type of aeration process is used?
18. Which type of screening process is used?

