



CHEMICAL ENGINEERING DEPARTMENT

A Report on Industrial Visit at

Globe Enviro Care Ltd, Sachin GIDC, Surat

Objective of Industrial Visit:

The main objective of the organized industrial visit is to let students understand various significant concepts practically through interaction and analyzing the actual working methods. Moreover, it gives exposure from academic point of view. Major aim of the industrial visit is to provide an exposure to students about the and practical work interaction as well as actual difference between theoretical diagram of object and actual working model process rather than ideal one.

Details of Industry:

1. Name of Industry:-Globe Enviro Care Ltd
2. Address: - Plot No:- 1P, Surat, GIDC, Sachin, Surat, Gujarat 394230
3. Date of Visit:-23/09/2023
4. Year /Semester: -1st Year/1stSem
5. No. of Students: -30
6. No.of Faculties: -1

Class Coordinator: - Prof. Nisha Ojha

Descriptions:-

The visit started on 23rd Sep. 2023, in the early morning. The students and faculty received a warm welcome on the premier's by the management of Globe Enviro Care Ltd. The student was provided with brief information on the industry's origin. The tour started at 1 pm. All the students were separated into 2 groups

At 11 AM, we reached Globe Enviro Care Ltd., Sachin Firstly we visited the fourth pillar of Globe Enviro Care Ltd. which is the CETP Plant. CETP Plant's full name is a common effluent plant. This plant is work on industrial wastewater treatment. In this plant, the two types of water treatment are (1) textile-based and (2) Chemical based. There are three procedures for the water treatment in the tank (1) low COD and low TDS (2) High TDS and (3) Acidic by adding lime. After these three processes, the acidic water is mixed with a polyelectrolyte. There are three types of the tank is a primary tank, secondary tank and aeration tank The capacity of the tank is 1,50,000litres to store water. In the primary tank, the primary clarifier create flux in water to separate sludge from the water and to make clear water. After the water goes through the pipeline in the secondary tank and separates the water from the sludge. After the separation, the water goes to the aeration tank. In this tank, the bacteria are eating the organic metal in the water. In this tank, the air blower is continuously run for adding oxygen



CHEMICAL ENGINEERING DEPARTMENT

to the water. To finish this all process water goes for the RO treatment. In this process, there are three tanks in this process (1) Sand tank (2) Carbon filter tank and (3) Micro filter.

After the CETP plant, we go to the MEE plant. In this plant there are 42 members are work. These plants are separated into many departments. There are many streams like stream -1, stream-2 and stream-3. In these plants, the treated RO water adds many minerals and to condensed with the condenser. There are very high-voltage condensers. There are two MEE plants. All plant is operated by the computer operator. We all are understood these plants. We last visited the 3rd plant of the industry is ATFT plant. In these plants, the waste sludge dries with an Agitated thick film dryer. After the drying process, they send the sludge powder to the dumping at the dumping site. After that, they told all of us to ask questions related to the unit. Some of us asked our doubts and get answered well by experts. It gets 11:30 AM and we lead towards the conference hall for the concluding session. There all shared their views on Industrial Visit. We thanked the expert for guiding us and solving our doubts. We thanked the Globe Enviro Care Ltd., Sachin for allowing us for Industrial Visit.

At 1:00 PM, Globe Enviro Care Ltd. again arranged Sandwich for all of the students and after that, we had a memorable photo at Globe Enviro Care Ltd., Sachin and leads towards the bus and get returned to college. Every student now has a different view of Industry. The importance of Practical knowledge with Theoretical knowledge increased. Everyone is now focused towards their career. Industrial Visit is very important for every Engineering Student, especially for Chemical Engineering Students. In Every Semester there should be at least 2 Industrial visits according to the studies they are studying.

College Faculties & Staff Presence in the Visit:-

1. Prof. Nisha S. Ojha
2. Mr. Bhavin Desai
3. Mr. Abhiraj Rathore

Photographs:-Annexure-I



CHEMICAL ENGINEERING DEPARTMENT

Annexure-I





CHEMICAL ENGINEERING DEPARTMENT

