

Department of Civil Engineering

Report on

**Visit to “INDUSTRIAL BUILDING UNDER
CONSTRUCTION, DAHEJ”**

Department of Civil Engineering, GCET had organized one day educational visit to “industrial building under construction” on 4th March 2022. 56 students, 3 faculty members had visited the industrial building (foundation & structural element)

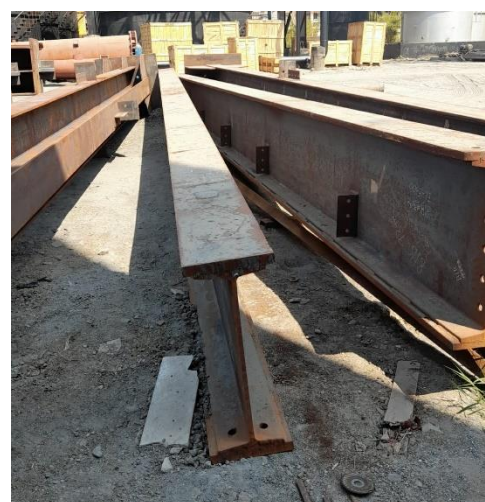
Aim of Visit:

This event was to make the students of civil department aware about the knowledge of foundation and all the components of an industrial building. It was to improve their thinking and to give them an overview as well as important knowledge about the Structure.

About industrial building:

The site belongs to RJ Patel Construction & Owner is Mr. Ravi Patel. The owner is alumni of our college 2015 batch. Instructor at site was Mr. Bharat who is a student intern at a site from our department.

A site visit to the industrial building foundation was organized on by the Civil Engineering Department for its third-year students. Prior to anything, all the safety precautions were taken such as masks, sanitizers and so on. All the students gathered at the campus at 6:00 am sharp and we reached the site at around 9:30 am by bus. After arriving at the plant and meeting with the in charge of guiding us, after which the students were divided into groups (15 students each), then the first group of student went to visit the structural elements of the industries and the remaining student were guided under Mr.Bharat who is a student intern at the site from our department.



The site is located at Dahej GIDC. The orientation of site and basics of foundation were explained by Site Engineer. He has started the visit by an orientation of foundation and its components. The site is of industrial building that of Waste treatment plant. So, the waste of the industry will be treated there. Currently the setting out of work is done & foundation is going on, in foundation they have used 12 mm dia. bars for area of total column of 300x300, depth of foundation is about 4 ft. The 2-legged stirrups are used in it of 8mm. Sloped footing is used there & ratio is 1:2, there were some different sizes of column in the last, but all were so perfectly lined that the alignment was too good. Cement used at site was of JK Lakshmi brand & grade 43, M 25 design of concrete so ratio 1:1:2. The availability of potable water is from tankers because as the area is in GIDC & near seashore. So, potable water is not available. All these things were nicely explained by the site Engineer

