



G H Patel College of Engineering & Technology, V. V Nagar



Department of Civil Engineering

Report on

Visit to “Institute of Seismological Research ,Gandhinagar”

Department of Civil Engineering, GCET had organized one day (27/02/18) educational visit to “**Institute of Seismological Research,Gandhinagar**”. A total of 35 students (4th year) along with 1 faculty member, Prof. Riddhi Vashi and 1 lab assistant, Mrs. Jyotikaben Talati visited the ISR.

Aim of Visit:

The main aim of visit is to understand the appropriate soil investigation/testing technique/method and get true sub soil parameters used for selection of type of foundation.

About the Visit:

Report on a visit to Institute of Seismological Research ,Gandhinagar

The Institute of Seismological Research (ISR) under the Science and Technology Department, Government of Gujarat is functioning from 2006. ISR is the only institute in India fully dedicated to seismological research and is planned to be developed into a premier international institute in few years time.

The students were taught about the field tests and laboratory tests. The lab technician of ISR explained the SPT test(Standard Penetration Test) and the importance of N value for finding out the bearing capacity of soil.He further explained and demonstrated sieve analysis for the coarse Grain soil and hydrometer test for fine Grain soil. The students had a brief discussion for Direct Box Shear Test and Triaxial test which was an advanced version supporting the application of cyclic load on the sample. Students also had a healthy question answer session with the members of ISR. After that a short film about the ISR was shown about its basic role.

Overall, it was a very informative visit for all the students. The working staff of ISR was highly cooperative and made maximum efforts to make us understand the testing techniques and their field experiences.