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

Department of Civil Engineering

Report on

VISIT TO

"Site of "Metro-Link Express for Gandhinagar and Ahmedabad near Doordarshan Tower and Memnagar Circle, Ahmedabad & Also the Cating site of Decks for METRO "

Department of Civil Engineering, GCET, Vallabh Vidyanagar had organized one day (06/03/2018 and 13/03/2018) educational visit to "Metro-Link Express for Gandhinagar and Ahmedabad near Doordarshan Tower and Memnagar Circle, Ahmedabad & Also the Casting site of Decks for METRO, Ahmedabad". A total of 30 students (Final Year) along with 4 faculty members, out of which 8 students had visited on 06/03/2018 with Prof. Poorav Shah, and 22 students visited on 13/03/2018 with Prof. Nirajkumar Mandowara, Prof. Ajaysinh Vaghela and Prof. Jalpa Patel visited the site.

Aim of Visit:

The main aim of visit is to observe & understand the functioning of Casting Site of the components of the METRO, Ahmedabad Project as well as the piling operations and techniques used in it in detail and how practically they are solving the day to day problem if arises.

About the Visit:

- **Casting site of "Tata Projects Ltd – China Civil Engineering Construction Corporation (TPL – CCECC)":**

At the site the knowledge regarding how the Decks are Casted, how the Reinforcement are cut as per the schedules using machines, how the reinforcement are made corrosion free using cement and some additives for increasing durability, RMC plant operated by UltraTech Cement, the Quality Check and Quality Assurance Laboratory, the pre-tensioning and post tensioning of the decks, the deck formation for the METRO section as well as the components of piers for the stations of METRO rail, Ahmedabad

- **Site visit to Doordarshan Kendra, Gurukul, and Memnagar, Ahmedabad**

Here the knowledge regarding the piling, Components of piling, pile caps, pier, installation of pre casted decks, soil stabilizing methods and many more

Overall, it was a very informative visit for all the students. The Site engineers and project manager were highly cooperative and made maximum efforts to make us understand the concepts lying behind each and every unit very precisely.