



VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE, CHANDKHEDA

Brief Report on Industrial Visit to Naroda Enviro Projects Ltd

Name of Department/Organizer	:	Chemical Engineering Department
Date & Time	:	23/02/2017
Venue	:	Naroda Enviro Projects Ltd (NEPL) at GIDC -Naroda, Ahmedabad
No of Participants	:	49 Students and 1 faculties

● Objective of the Event

6th semester students of **Chemical Engineering Department** of Vishwakarma Government Engineering College Chandkheda visited Naroda Enviro Projects Ltd (NEPL) at GIDC -Naroda, Ahmedabad. These visit falls under **major activity head** of “**Technical/ Research skill**” with sub-activity head of “**Industrial / Exhibition Visit with Report**”. The visit was organized for one day on **23/02/2017**. **Total 49 students** took benefit of this industrial visit. These students were accompanied by following faculty members.

- **Prof. Charmi B. Desai**
-

● Details of the Event

Naroda Enviro Projects Limited is a Public incorporated on 19 October 1995. It is a Private Sector Company with authorized share capital of Rs. 10,000,000. It is involved in Common Effluent Treatment Plant (CETP) of effluent received from member companies of all four phases of GIDC-Naroda. In NEPL, students met the concerned technical person who guided them about primary, secondary and tertiary treatments of effluent as well as laboratory analysis of water samples which are being conducted in the industry. At the time of the visit, secondary treatment units of the plant was under development in cooperation with ISRAEL BIOCHEMICAL INDIA LTD. Students were able to learn how the effluent water from different manufacturing was being collected and treated in the plant. The effluent water from various textile and dyes and intermediate industry was collected via underground and tanker routes carried out in four phases. The plant capacity was 20 to 22 Lac Liters per day. The effluent collected from the industry had Chemical Oxygen Demand (COD) value 3000. The effluent was first mixed in a flash mixer then settled in centrifugal decanter to separate solid waste followed by bacterial digestion in aerobic and anaerobic digester and further final treatment in a filter press.