

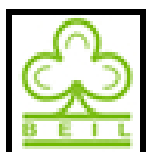
# **REPORT**

ON

## **INDUSTRIAL VISIT**

AT

**BHARUCH ENVIRO INFRASTRUCTURE LIMITED**



**Arranged For**

**B.E-III (SEM- 6<sup>th</sup>)**

**DEPARTMENT OF CHEMICAL ENGINEERING,  
SARVAJANIK COLLEGE OF ENGINEERING AND  
TECHNOLOGY,**

**Dr. R. K. Desai Marg**

**Athwalines, Surat-395001, Gujarat**

**India**



## **VISIT to BHARUCH ENVIRO INFRASTRUCTURE LTD, ANKLESHWAR**

**Date & Time of Visit:** 18<sup>th</sup> January, 2018 & 8:30 am to 1:30 pm

**Starting Point:** SCET, Surat

**Destination Point:** Bharuch Enviro Infrastructure Limited (BEIL) Plot No- 9701-16, GIDC Ankleshwar, Bharuch

**Duration:** 1 Day

**Faculty Members:** Prof. Vishad Desai, Prof. Anshul Sharma, Prof. Beena Jadav

**Total Number of Students:** 64 (BE 3<sup>rd</sup> YEAR, Chemical Engineering Students)

**Organized By:** Chemical Engineering Department, SCET



### **COMPANY PROFILE**

BEIL company incorporated under companies act, 1956 is promoted by various industries in Bharuch district. The main promoter is United Phosphorous Limited (UPL) group of companies. Specializes in operating landfill sites (Industrial Hazardous Waste) common incineration facilities on BOO basis. Since 1998, BEIL has developed centralized secured landfill facility at Ankleshwar, Gujarat and so far it has collected 5,00,000 MT of solid/hazardous waste and disposed in 68 acres plot area. The facility at BEIL is the first of its kind of TSDF site in India, certified under ISO 14001

**Incineration Division:** BEIL has set up the common incineration facility at Ankleshwar with the aid of MoEF and Government of India. This common incineration is designed to meet the draft norms prescribed by the CPCB for various parameters of operation and emission.

The waste collected in polythene bags is recycled by BEIL, Ankleshwar. Collected bags are treated and polymer beads are formed.

### **SUMMARY**

The visit was aimed to enhance the knowledge of the students regarding environmental impact and risk assessment for proposed secured landfill facility for hazardous waste and multiple effect evaporation plants, details of raw water consumption and waste water generation and treatment, air pollution source and control management, hazardous waste details, green belt details, power and fuel requirements. The construction of secured landfill with double liner system as per “criteria for hazardous waste landfills” published by CPCB was explained. The landfill is constructed year wise depending on waste quantity and the year wise area constructed is numbered as cells. The leachate generated from the waste is conducted in leachate wells and taken for treatment in the multiple effect evaporation system.

## **ACKNOWLEDGEMENT**

We would like to thank Dr. Vaishali Mungarwadi (Principal, SCET) and the management of SCET for permitting us for industrial visit at BEIL, Ankleshwar.

We would also like to acknowledge Mr. Ashish Gurjar (Asst. Manager – HR & Admin, BEIL) for allowing a visit in industry for giving his valuable inputs to the students and his support throughout the visit.

