



Parshvanath Charitable Trust's  
**A. P. SHAH INSTITUTE OF TECHNOLOGY**  
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)  
(Religious Jain Minority)

## DEPARTMENT OF CIVIL ENGINEERING SITE VISIT REPORT

**Subject: - Elective II- Industrial Waste Treatment (SEM VIII)**

**Site Visit Date: - 27-02-2020**

**Site:-Common Effluent Treatment Plant, Khairne**

**Site Address:- P-60, MIDC, Khairane. Thane Belapur Road, Navi Mumbai, Maharashtra 400709**



As per the curriculum of University of Mumbai , students of final Year Civil Engineering having Elective II – Industrial Waste treatment required to visit a site as a part of their Termwork.

A site visit was arranged to Common Effluent Treatment Plant, P 60, MIDC, Khairne which is run by Thane Belapur Association.

### **About the Plant:-**

CETP(Thane- Belapur ) Association , situated in TTC Industrial area is established in1994 and registered under section 25 of the Co's Act 1956 and is one of the biggest, best performed and professionally run CETP , in the state of Maharashtra, having capacity 27 MLD.

Common Effluent Treatment Plant helps the industries in easier control of pollution but also act as a step towards cleaner environment and service to the society at large. Common Effluent Treatment plant has been accepted as a solution for collecting, conveying, treating and disposing of

effluents from industrial estates. Small and medium scale industries are relieved of the problem of treating their effluents. Waste water treatment is assured, thereby helping pollution control. In this site visit, students have got the knowledge regarding –

- How the treatment of industrial waste is done in actual practice?
- What are the various essential units of CETP?
- Technical details of each unit with their working
- What are the various laboratory tests done on waste water?
- How safe disposal of industrial waste water can be done?

Also they studied the difference between the characteristics of raw and treated waste water which help them to understand the effectiveness of treatment plant for the discharge of waste water in any river body or creek.

**Remark :-** PO1,PO2,PO3 ,PO4, PO5 and PO12 are covered.  
PSO 1 and PSO3 are covered.

<b>PO Covered</b>	<b>Justification</b>
PO1	Students will be able to apply the knowledge of science, engineering fundamentals, and an engineering specialization for the solution of industrial waste water.
PO2	Students will be able to apply natural sciences, and engineering sciences to solve problems related to industrial waste water.
PO3	Students will be able to design solutions for the problems with appropriate considerations of public health and safety and environmental considerations.
PO 4	Students will be able to design experiments in the field of industrial waste water treatment.
PO5	Students will be able to understand how IT tools are used in running treatment plant.
PO12	Students will have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

<b>PSO Covered</b>	<b>Justification</b>
PSO1	Students will be able to survey environmental engineering problems.
PSO3	Students will be able to work for public health and welfare along with maintaining sanitation.