



Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

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Civil Engg. Department

Name of Subject: Environmental Engineering-II
Place: Water Treatment Plant, Bhandup, Maharashtra
Organization/Institution: Viva Institute of technology virar
Date: 16/02/2019

Visit Details:

Site Visit Report

Place of Visit: Water Treatment Plant, Bhandup, Maharashtra

Date of Visit: 16th February 2019.

Department of Civil Engineering, VIVA Institute of Technology, Virar organised a site visit Water Treatment Plant, Bhandup, Maharashtra for the Subject Environmental Engineering-II. All the students of VIII semester and four faculties from the Civil Engineering Department were visited the Treatment plant on 16th February 2019. The water supply to entire city of Mumbai is received from Upper Vaitarna, Middle Vaitarna, Modak sagar, Tansa, Vehar, Tulsi lake sources and Bhatsa river source and is treated at water treatment plants located at Bhandup Complex, Panjarapur, Vehar, and Tulsi. Raw water supply from 108 Upper Vaitarna, 96 Vaitarna, 72 Tansa (E) and 72 Tansa (W) water mains is received through a 5.5 meter diameter under ground tunnel from Gundavali to Bhandup Complex to Inlet Bay of Bhandup Complex Treatment Plant. The Raw water thus received has to be treated and various impurities are removed to bring characteristics of received water to potable water standards suitable for safe human consumption by adopting following treatment process.

Photos:

