



**Sandip University**  
**School of Engineering & Technology**  
Mahiravani, Trimbak Road, Tal & Dist. Nashik 422213, Maharashtra  
Phone: 02594-222541, 222582 Fax: 02594 222555

**School of Engineering & Technology**  
**Department of Civil Engineering**  
**M.TECH.ENVIRONMENTAL ENGINEERING**  
**Academic Year 2017-18**  
**Report on Sewage Treatment Plant Visit**

- 1. Event Title:** - Visit to Sewage Treatment Plant
- 2. Event Date:** - Friday, 9<sup>th</sup> March 2018
- 3. Event Conduction Duration:** - 1 Day
- 4. Event Venue:** - Sewage Treatment Plant, Nashik Municipal Corporation, Agar-Takali, Nashik.
- 5. Event Resource Person Details:** - Mr. Nilesh Kandekar, Plant Maintenance Engineer, SPML Infra Ltd; STP, Agar-Takali, Nashik.
- 6. Name of Event Coordinator with contact details:** - Prof. Rahul N. Jain (Mob. No.-7588100116)
- 7. Event Outline, Objective & Outcome of the event:-**

**Visit Outline:-**

- Water & Waste treatment plant visit becomes an integral part for getting actual field exposure & knowledge of various treatment units for safe & effective design thereby achieving safe disposal in the environment.
- Present sewage treatment plant visit explores the various treatment processes carried out on waste water from residential area & safe disposal in the Godavari River after achieving permissible limits based on waste characterization (physical, chemical & biological).

**About STP :-**

- SPML Infra has designed and constructed the 70 MLD sewage treatment plant in Nashik to provide treatment and safe disposal of wastewater produced by residential colonies and commercial and institutional establishments of Nashik city having a population of more than a million.
- This involves collection, primary treatment and biological treatment to make it safe for disposal. Collection of digested sludge and digested sludge dewatering system along with common chemical preparation and dosing facilities for gas production that will be utilized in biogas engines.
- The treatment plant is based on the activated sludge process with chlorination of the treated sewage before discharging in to the river Godavari to maintain the water level of the river during the famous Kumbh Mela.



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**Objectives of Visit:-**

- To familiar with actual treatment processes & their units carried out on sewage waste.
- To get more awareness about overall activated sludge process unit & operations.
- To know about different types of air diffusers used in the aeration tank.
- Characterization of waste water sample for the lab analysis purpose.
- To enhance practical & field based knowledge for proper analysis & detection
- To know about any practical problems faced by the plant during treatment & analysis.

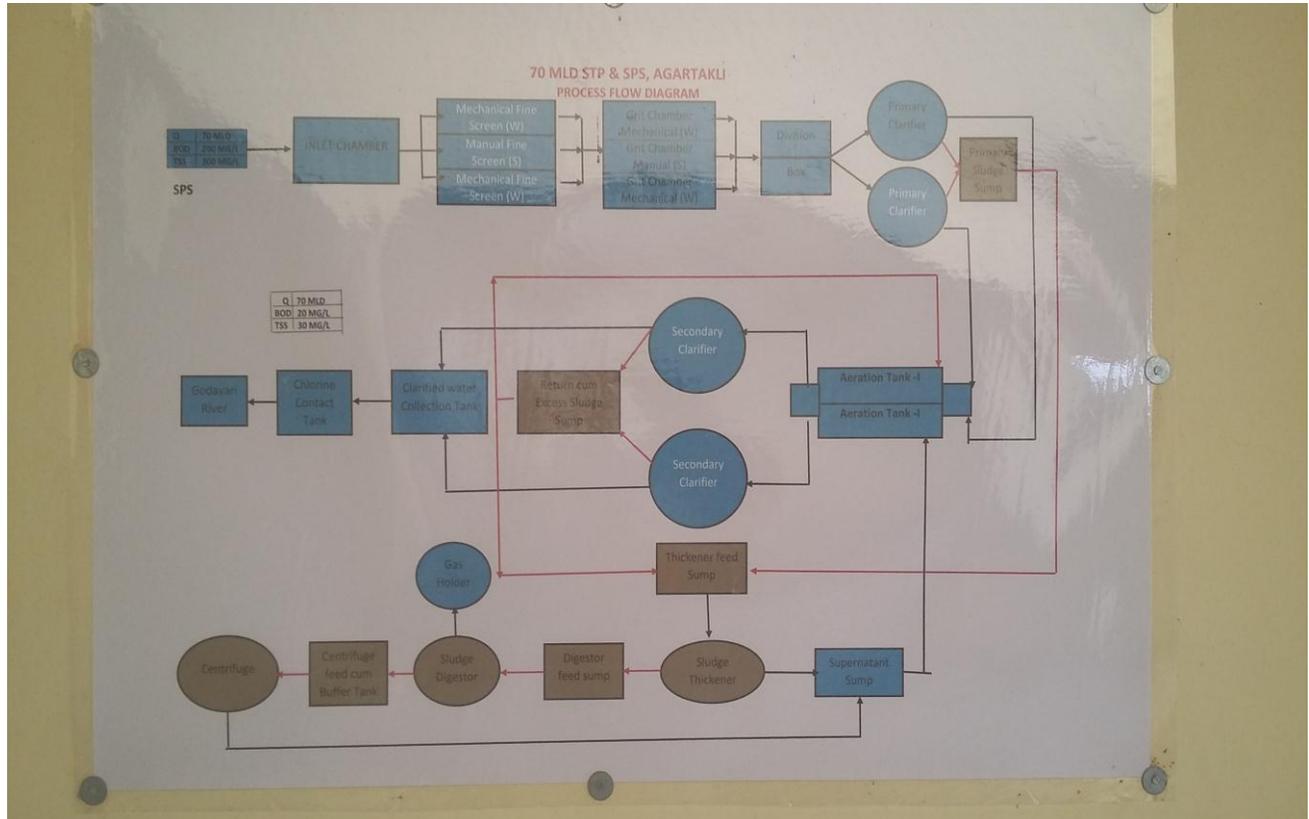
**Outcomes of Visit:-**

After getting practical field exposure to sewage treatment plant students

- Understand the principle components and functions of different treatment units.
- Able to assess different waste water characteristics & their necessary remedies.
- Able to apply advanced methods & techniques to design different treatment units for proper & safe disposal of waste water.
- Able to identify complex problem of plant & analyse the same so that proper disposal can be achieved in the environment.

**8. Event photos which must include photos of Inauguration, felicitation, event conduction and valedictory ceremony. (If applicable)**







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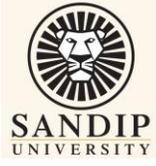
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