



A report on Industrial visit to Water filtration Unit, Kakinada

August 3rd 2022

**Department of Microbiology and Biotechnology
P.R. Government College (A), Kakainada**



Industrial Visit to Water Filtration Unit

Hosts of the Tour:

Dr. B. Lakshmi- HOD Department of Microbiology

G.P Chakravarthi- HOD Department of Bio- Technology

G.N.V Satish- Lecturer, Department of Bio-Technology

Total Number of students - 52

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ChennaRao” for providing support and assistance.*



About the Unit

The municipal water filtration unit in Kakinada is mainly concerned with the filtration and disinfection of the water and supplies to the whole city.



Fig: 1 Source of water supply from Salmalkot



Fig: 2 Primary filtration site



Fig: 3 & 4 students at the site of Primary filtration unit, following the explanation of the process by the instructors



Fig: 5 & 6 Explanation of the Filtration process through slow sand filters and rapid sand filters



Fig: 7 Chlorine cylinder for chlorination of water (chlorine pumped through the pipes to the filtered water for disinfection)



Fig: 8 Chlorinated water stored in the tanks for checking the ppm of Chlorine before supply



Fig: 8 Valve for pumping filtered water into large storage tanks



Fig: 9 Filtered water ready for distribution in the city

