



# A report on Industrial visit to Water filtration Unit, Kakinada

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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

*Our sincere thanks to the Principal of PRGC “ Mr. BV. Tirupanyam” ,  
the IQAC coordinator, “Dr. B. Elia” and the academic coordinator “Dr.  
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**



Thank you for the Practical  
learning