

## Automatic Water Quality Monitoring of River Ganga - 1992-95 Foreword

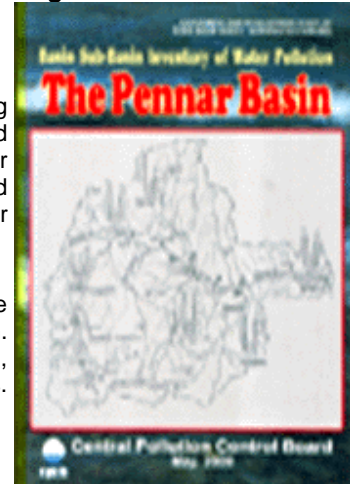
Pennar is one of the major river basins in Southern India. The 564km long Pennar originates in the hills of Karnataka and Andhra Pradesh and flows through these states and reaches the Bay of Bengal at Vutukur estuarine region. The Pennar Basin includes some areas of Tumkur and Kolar districts in Karnataka; and Nellore, Cuddapah, and Anantapur districts in Andhra Pradesh

The two districts in Karnataka and three in Andhra Pradesh falling in the course of Pennar have shown considerable increase in industrial growth. Though the major parts of these districts are predominantly agricultural, some parts have recorded industrial development in the last few years. Still the industrial pollution in the river is not significant.

The distribution and the kind of industries in the Pennar region are not uniform and different parts have seen the growth of different industries. High water consuming and large pollutant contributing industries such as textile and paper need particular attention with respect to water use and maintenance of water quality in the river system. Rapid growth of population and industries in the Pennar basin require careful planning and management of water resources in the immediate future.

The study reported herein was undertaken to assess the pollution potential in river basin and to identify the nature and extent of pollution and its main sources both point and non-point. The State Pollution Control Boards of Karnataka, and Andhra Pradesh collected the dry and wet study data of Pennar Basin. The data were reviewed, compiled, edited and presented in the form of Comprehensive River Basin Report by Centre for Environmental Studies, Anna University in accordance with the guidelines of the Central Pollution Control Board. Dr. J. I. Shri R.M. Bhardwaj, Scientist 'C' coordinated with the State Pollution Control Boards in planning, collection of data and in bringing out this document, under the overall supervision of Dr. R.C. Trivedi, Senior Scientist.

The co-operation received from State Pollution Control Boards of Karnataka and Andhra Pradesh in this important assignment is gratefully acknowledged.



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