

## FOREWORD

Instrumentation plays a key role in hydrological data collection. Instrumentation technology has attained great heights of technological advancements. However, their application in the field of hydrology has been very limited. It is therefore, very necessary to attain the capability of producing instruments within the country using indigenously available components and systems. This is of special importance in a developing country like ours where the 'traditional' data collection techniques face large problems leading to a significant trend towards decreasing observational activity and resulting in data sets of very uneven quality.

In order to improve hydro-meteorological data collection, there is a need for development of automated instruments with indigenous technology, and this requires a review of the state-of-art available and the future needs of the country. To fulfil this need, the National Institute of Hydrology, Roorkee, organised a National Workshop on Advances in Hydrological Instrumentation during October 25-26, 1994, involving all concerned government organisations as well as private firms dealing in the area of hydrological instrumentation in India. The Workshop was co-sponsored by the Indian National Committee on Hydrology (INCOH), Department of Science & Technology, Govt of India, Ministry of Agriculture (Department of Agriculture & Cooperation), Govt of India, and was generously supported by several instruments manufacturers/suppliers.

The workshop was attended by over 60 participants from the central government, state governments, universities and other academic institutions, and private industries and public enterprises. Twenty eight technical papers were presented and discussed during the workshop. Two notable features, other than presentation of papers, were an exhibition of advanced hydrological instruments by leading Indian manufacturers/ suppliers, and the release of a Directory and Buyer's Guide for Hydrological Instruments, and were amply appreciated by the participants.

The successful organisation of the workshop was a team work of the scientists and staff of the National Institute of Hydrology, and other local organisations Dr K S Ramasastri, Dr V C Goyal, Dr V K Choubey, Dr Sudhir Kumar, Dr Divya, and Sri Hemant Chowdhary, all from NIH, have made untiring efforts in the organisation of the workshop.

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