

## DIRECTOR'S REPORT

It gives me pleasure to present the Annual Report of National Institute of Hydrology, Roorkee for the year 2006-2007 highlighting the achievements of the Institute during the year. Over the years the Institute has grown as a centre of excellence and continues to pursue research activities in Hydrology with emphasis on technology transfer and demand driven, user-defined, strategic research. It has been the constant endeavor of the Institute to nurture a policy of description, prescription and demonstration through its research programmes and scientific output.



During the year there has been a significant growth in the activities of the Institute. Concerted efforts were made towards hazard-free, optimal and sustainable utilization of water resources and to conduct focused research in priority areas. Sixty research projects are under progress under six scientific themes. The Institute has taken a lead role in the implementation of Phase II of the Hydrology Project with the daunting task of developing Decision Support System (DSS) for Water Resources Planning. Software are being developed for water resources assessment at river basin scale and for simulation of complex water systems. Application of advanced soft computing techniques such as ANN and fuzzy logic have been demonstrated in various facets of hydrology. In general, there has been a greater emphasis on demand driven, user-defined and purpose driven research during the year.

I am glad to mention that with the dedication and innovative ideas put forward by the scientists and hard work of the employees, the institute has achieved commendable progress. I am confident that the Institute will take greater strides in achieving higher goals in the years to come.

The Annual Report would provide a glimpse of the activities of the Institute and the contributions made by it in the field of hydrology during the year. I hope and assure that the Institute will continue to attain higher levels of achievements in the years to come.

**(K.D. SHARMA)**  
**DIRECTOR**