

DIRECTOR'S REPORT

It gives me immense pleasure to present the Annual Report of National Institute of Hydrology, Roorkee for the year 2008-2009 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 programs 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. Thirty six research projects are under progress under five scientific themes. Application of advanced soft computing techniques such as ANN and fuzzy logic has 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.

The Institute has taken a lead role in the implementation of Hydrology Project, Phase II (HP-II) and is the nodal agency for the implementation of Decision Support System (Planning) for Integrated Water Resources Development and Management. The consultants (DHI, Denmark) have started their operations from 1st December, 2008 and completed their first task of "DSS Need Assessment". The Institute has initiated working on seven Purpose Driven Studies (PDS) in association with State Implementing Agencies to address their specific hydrological problems. A number of trainings have been organized for capacity building for the states and central agencies under HP-II Project. In addition, various facilities have also been developed at the Institute under Institutional Strengthening component of the Project.

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.

(R. D. Singh)
DIRECTOR