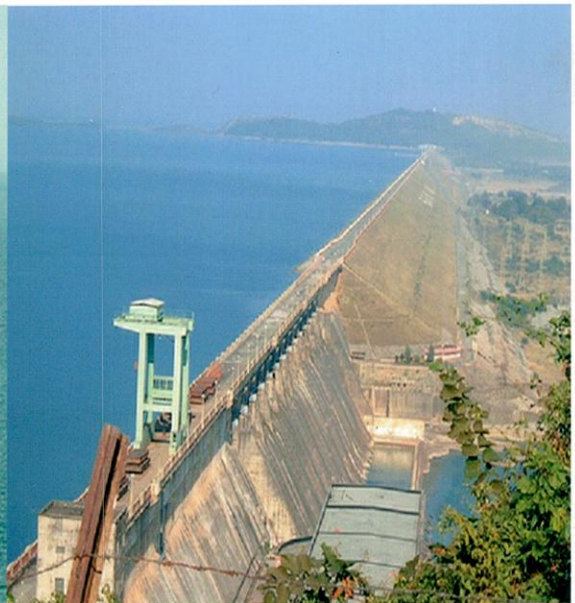
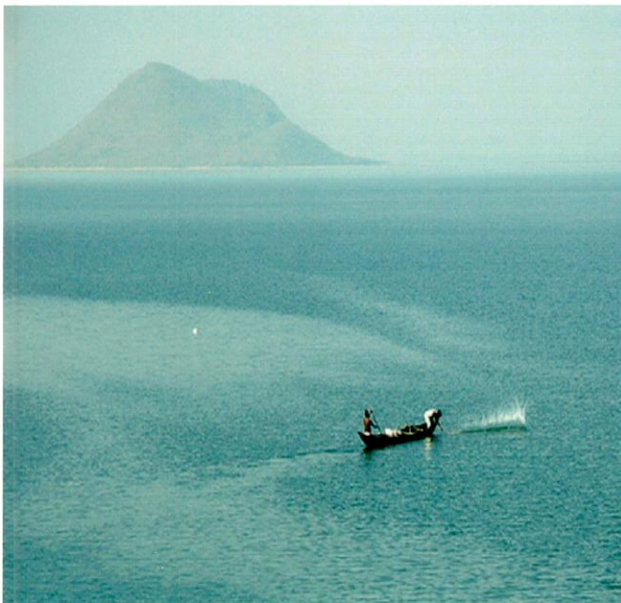
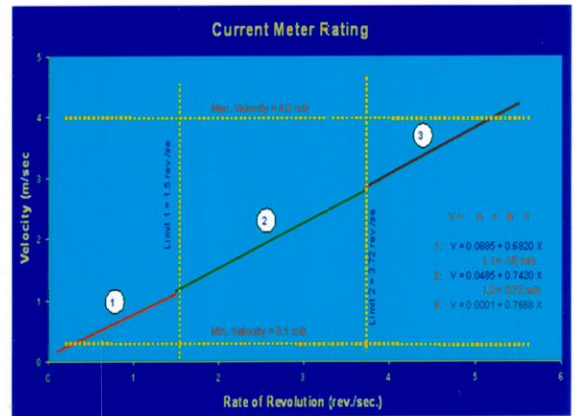
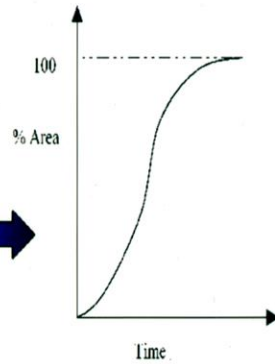
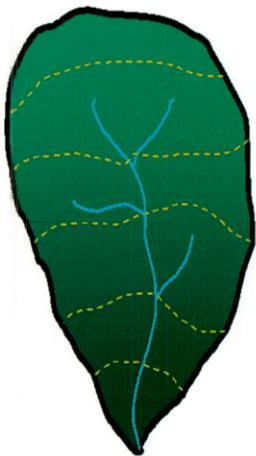


# INDIA: HYDROLOGY PROJECT PHASE - II

## Predictions in Ungauged Basins [July 26 – 30, 2010]



Organized by:

National Institute of Hydrology  
Roorkee- 247667 (Uttarakhand)



## CHAPTER CONTENTS

<i>Chapter No.</i>	<i>Title</i>	<i>Page</i>
1.	Processing and Analysis of Hydro-Meteorological Data	1-25
2.	Flow Duration Curve and Water Availability Analysis	26-37
3.	Unit Hydrograph Analysis	38-58
4.	Flood frequency analysis techniques	59-77
5.	Development of flow duration curves for ungauged basins	78-86
6.	Fundamentals of GIS and Its Applications in Hydrology	87-96
7.	Catchment Modeling Using Remote Sensing and GIS	97-112
8.	Flood estimation for ungauged basins using Regional Unit hydrograph approaches	113-137
9.	Regional Flood Frequency Analysis for Ungauged Catchments Using L-Moments	138-150
10.	Flood Estimation Using GIUH Approach	151-162
11.	Stochastic Modeling and Stream Flow Forecasting	163-186
12.	Estimation of confidence intervals and Uncertainty of predictions	186-201
13.	Application of Soft-Computing In Rainfall-Runoff Modeling	202-216