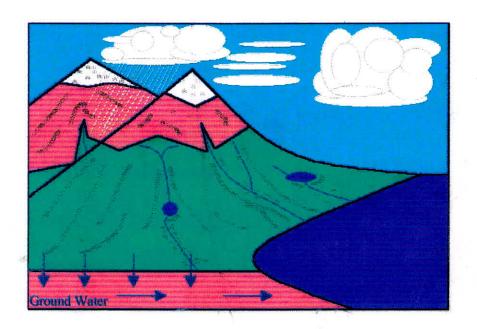
WORKSHOP

ON

MODELLING OF HYDROLOGIC SYSTEMS

4-8 September, 2000

LECTURE NOTES





Organised by

Hard Rock Regional Centre National Institute of Hydrology Belgaum-590 001 (Karnataka)

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LECTURE TOPICS

1.	Basic Hydrology	B. K. Purandara
2.	Hydrological Modelling - General Concepts	A. V. Shetty
3.	Data Processing using HYMOS	B. Venkatesh
4.	Hydrological Problems of Hard Rock Region	B. K. Purandara
5.	Rainfall-Runoff Modelling using a GIUH based Conceptual Model	Chandramohan T.
6.	Ground Water Balance	C. P. Kumar
7.	Regional Flood Frequency Analysis	B. Venkatesh
8.	Modelling of Unsaturated Flow	C. P. Kumar
9.	Infiltration and Soil Water Movement	B. K. Purandara
10.	A Conceptual Model of Catchment Water Balance	A. V. Shetty
11.	Estimation of Sediment Yield and Runoff from Small Watersheds using WEPP	Chandramohan T.
12.	Modelling of Sea Water Intrusion	C. P. Kumar
13.	Planning of Crop and Water Management Practices	A. V. Shetty
14.	Runoff Curve Number and Computation of Design Flood Hydrograph using SCS Method	Chandramohan T.
15.	Determination of Soil Moisture Characteristics	B. K. Purandara
16.	Conjunctive Use of Surface Water and Ground Water	A. V. Shetty
17.	A Topography-based Rainfall-Runoff Model (TOPMODEL)	B. Venkatesh
18.	Hydrological Studies for Watershed Management	Chandramoahn T.
19.	Water Quality Modelling (QUAL2E)	B. K. Purandara
20.	Modflow	B. Chakraborti
21.	Modelling of Groundwater Flow	B. Chakraborti

Glossary of Modelling Terms