WORKSHOP ON

RESERVOIR OPERATION

COURSE MATERIAL

ORGANISED BY

NATIONAL INSTITUTE OF HYDROLOGY JALVIGYAN BHAWAN ROORKEE-247 667 (U.P) INDIA (MARCH 1993**)**

COURSE MATERIAL FOR WORKSHOP

ON

RESERVOIR OPERATION

Lecture No.	Title of Lecture	Page	No.
	Preface	i	
1.	Introduction to Reservoir Systems	1	
2.	Determination of Rule Curves	18	
3.	Simulation Techniques in Reservoir Planning and Operation	25	
4.	Storage-Yield Analysis	32	
5.	Reservoir Routing	40	
6.	Introduction to Linear Programming	49	
7.	Dynamic Programming	58	
8.	Non-linear Programming	68	
9.	Real-Time Flood Forecasting Using Unit Hydrograph Based Approaches	90	
10.	Real-Time Reservoir Operation	119	