

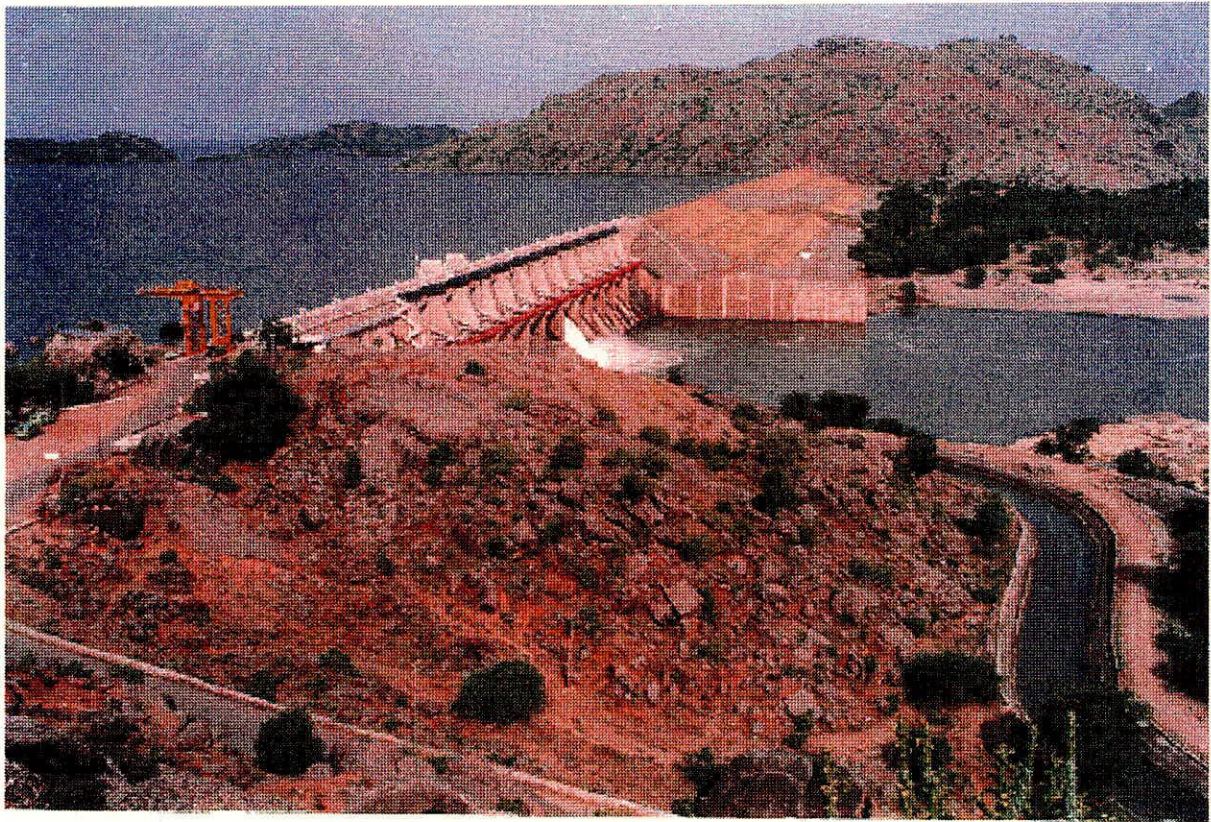
TRAINING COURSE

ON

RESERVOIR OPERATION

(UNDER WORLD BANK AIDED HYDROLOGY PROJECT)

Dec. 09 - 20, 1996



LECTURE NOTES



ORGANISED BY

**NATIONAL INSTITUTE OF HYDROLOGY
ROORKEE - 247667, INDIA**

TRAINING COURSE

ON

RESERVOIR OPERATION

LECTURE NOTES



ORGANISED BY

NATIONAL INSTITUTE OF HYDROLOGY
ROORKEE - 247667, INDIA

Contents

| Module No. | Title |
|------------|--|
| 1 | Introduction to Reservoir Systems |
| 2 | Hydrological Data and its Management |
| 3 | Storage - Yield Analysis |
| 4 | Reservoir Operation Using Rule Curves |
| 5 | Reservoir Routing |
| 6 | Reservoir Operation for Hydropower |
| 7 | Reservoir Operation for Flood Control |
| 8 | Introduction to Linear Programming |
| 9 | Reservoir Sizing - Linear Programming |
| 10 | DP and its Applications to WRS |
| 11 | Economic Aspects of Water Resources Systems |
| 12 | Economic and Financial Analysis of Hydropower Projects |
| 13 | NIH Multireservoir Simulation Model |
| 14 | Simulation of Multireservoir Systems Using HEC - 5 |
| 15 | Operation of A Multireservoir System |
| 16 | Reservoir Inflow Assessment |
| 17 | Real-time Operation of Reservoirs |
| 18 | Reservoir Operation - A Case Study |
| A | Fundamentals of Computer Hardware |
| B | MS-DOS Operating System |
| C | File Editors |
| Appendix | Salient Features of Selected Dams |