

About the Book

Realizing the importance of the subject, there is a need for a book on hydrometeorology oriented to the Asian environment, which can serve practicing engineers and hydrologists engaged in the planning, development and management of water resources. This constitutes the objective of the present volume. The emphasis in the book is on practical applications of meteorology for water development and understanding of the needed meteorological concepts. The subject matter of the book follows the rationale. The book contains 15 chapters encompassing a wide spectrum of topics on hydrometeorology.

The text material of each chapter in the book contains illustrative examples, which are mostly based on actual, recorded data. It is hoped that the book will be use to the professionals engaged in the water resources sector. The book should also be useful to university courses concerned with hydrometeorology and its application to water-related issues. The book also to the requirement of the syllabi of various universities.

Contents:

1. *Introduction*
2. *The atmosphere*
3. *Atmosphere processes*
4. *Radiation and temperature*
5. *Weather systems for precipitation*
6. *Weather and precipitation in india*
7. *Tropical storms and Hurricanes*
8. *Greatest point and areal rainfalls*
9. *Precipitation and its measurement*
10. *Design storm estimation*
11. *Statistical analysis of precipitation*
12. *Foreshadowing precipitation*
13. *Evaporation*
14. *Droughts*
15. *Floods*

