

Contents

Foreword	(iii)
Preface	(v)
Chapters	
1. Advent of Hydro Power and Early Developments	1
2. Hydro Electric Power Potential in India and Present Status of Development	14
3. Hydro Power Development till Independence (1897-1950)	34
4. Hydro Power Development after Independence and Current Status	76
5. Hydro Electric Power Stations in Operation in India and their Performance	99
6. Major Hydro Electric Power Plants - Profiles	128
7. Pumped Storage Schemes in India	194
8. Status of Development of Small Hydro Power in India	216
9. Framework and Agencies for Hydro Power Development	229
10. Hydro Power Development in the Private Sector	293
11. Economics of Hydro Power Generation and Energy Tariff	313
12. Hydro Power Development - Environmental Impacts	334
13. Manufacture of Power Plant Equipment	379
14. Indian Expertise for Development of Hydro Resources	392
15. Renovation, Modernisation and Upgrading of Hydro Electric Plants	406
16. Hydro Power Development : Future Challenges and New Technologies	429
17. Synthesis	435