



An Introduction to Evaluation of Hydroelectric Power Potential of Sites (Paperback)

By J Paul Guyer

Createspace Independent Publishing Platform, 2016. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.This publication provides introductory technical guidance for civil engineers and other professional engineers, construction managers and hydropower system operators interested in learning about operation of multipurpose water resources systems that include hydroelectric power plants. In over 170 pages, here is what is discussed: 1. INTRODUCTION, 2. TYPES OF HYDROELECTRIC ENERGY, 3. THE WATER POWER EQUATION, 4. GENERAL APPROACHES TO ESTIMATING ENERGY, 5. TURBINE CHARACTERISTICS AND SELECTION, 6. DATA REQUIREMENTS, 7. FLOW-DURATION METHOD, 8. SEQUENTIAL STREAMFLOW ROUTING (SSR), METHOD, 9. APPLICATION OF SSR TO PROJECTS WITHOUT POWER STORAGE, 10. APPLICATION OF SSR TO PROJECTS WITH POWER STORAGE, 11. POWER RULE CURVES, 12. MULTIPLE-PURPOSE STORAGE OPERATION, 13. ALTERNATIVE POWER OPERATION STRATEGIES, 14. SYSTEM ANALYSIS, 15. HYBRID METHOD.



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