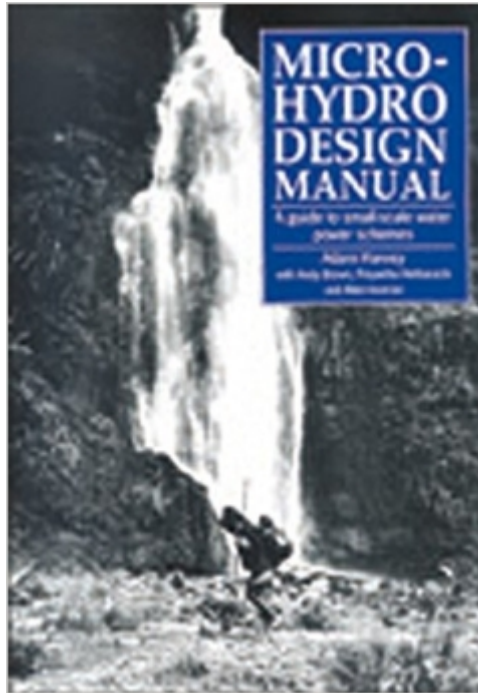


The book was found

Micro-Hydro Design Manual: A Guide To Small-Scale Water Power Schemes



Synopsis

This book has grown from Intermediate Technology's field experiences with micro-hydro installations and covers operation and maintenance, commissioning, electrical power, induction generators, electronic controllers, management, and energy surveys.

Book Information

Paperback: 288 pages

Publisher: Practical Action (December 1, 1993)

Language: English

ISBN-10: 1853391034

ISBN-13: 978-1853391033

Product Dimensions: 8.3 x 0.9 x 11.4 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 4.1 out of 5 starsÂ Â See all reviewsÂ (10 customer reviews)

Best Sellers Rank: #166,852 in Books (See Top 100 in Books) #2 inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Alternative & Renewable > Hydroelectric #6 inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Power Systems #17 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electric Machinery & Motors

Customer Reviews

This highly rated manual, covers just about every practical and tangible theoretical introduction to the full design and/up to implementation cycle of MH projects, all in about 370 pages. It is important that it was written and amply illustrated not only with detailed schematics, but also with actual pictures from original installations in developing countries, which makes a viable aid in comprehending the "actual picture". The chapters covered detail a syllabus in: Components and Design of an MH Scheme, Cost benefit estimations, Hydrology and site survey, Flow prediction, Civil works and operational parts (all aspects from Weirs to Penstocks), Commercial engineering, Turbines (including reverse pumps), Governing, Drive systems, a very thorough presentation of the -cumbersome- Electrical Power System aspects, along with Operational, Maintenance, Financial and Commissioning aspects. Should there be something more for an engineer to wish for, would be more info on turbines -something you would expect to find in a specialized book on the subject anyway. The book should provide a valuable asset not only to MH engineers, but to Renewable Energy Technology engineers as well, since it is progressively becoming apparent that a

combination of RET along with Pumped Storage and MH, presents a highly attractive opportunity for both developed and developing countries

This book describes all the aspects involved in getting a micro hydro plant running. It has the right blend of "The birds eye view" on the subject, very useful to people, new to the subject as well as "earth worm view": You can use this use this book as a guide to select the right kind of drive pulley for you plant.

This is not what I was looking for. This is a Book for someone who is putting in hydro for a small town or village, not a personal use.

I'm a civil engineer involved in the design of large hydropower plants. This book is a complete guide on the design of a micro-hydropower scheme, particularly well suited if the scheme is located in a developing country. The books cover all subjects ranging from the preliminary studies to the final design of the civil works and of the EM equipment to the maintenance works. It is well written and full of photos and examples. Please buy it if you're involved in the design of small hydropower. The only small suggestion I can do to the author is to introduce some more calculation examples.

Very good book that gives you a complete coverage of all the different things that will be involved in building or setting-up a Micro-Hydro power generating plant. It covers from what's electrical power, what are the different kinds of water to energy equipments, how to evaluate if your investment will be profitable, the different kind of generators available, power transmission and so on, very complete and explained in simple terms so that anyone can get the correct idea of what is involved in a Micro-Hydro. Usefull for any person, asociation or organization that wants to set up a Micro-Hydro. A good selection to buy.

[Download to continue reading...](#)

Micro-Hydro Design Manual: A Guide to Small-Scale Water Power Schemes Designing and Building
Mini and Micro Hydro Power Schemes: A Practical Guide Micro Hydro-Electric Power Stations
Planning and Installing Micro-Hydro Systems: A Guide for Designers, Installers and Engineers
Sustainable Micro Irrigation: Principles and Practices (Research Advances in Sustainable Micro Irrigation)
Fruit Infused Water: 80 Vitamin Water Recipes for Weight Loss, Health and Detox
Cleanse (Vitamin Water, Fruit Infused Water, Natural Herbal Remedies, Detox Diet, Liver Cleanse)
Solar PV Powered UV Water Treatment: How to Solar Power UV Water Sterilizing Systems for

Drinking Water Onsite Allied Power: Mobilizing Hydro-electricity during Canada's Second World War
Power Training: For Combat, MMA, Boxing, Wrestling, Martial Arts, and Self-Defense: How to
Develop Knockout Punching Power, Kicking Power, Grappling Power, and Ground Fighting Power
Water Treatment WSO: Principles and Practices of Water Supply Operations Volume 1 (Water
Supply Operations Series) Water Quality & Treatment: A Handbook on Drinking Water (Water
Resources and Environmental Engineering Series) The Wonders of Water - How H2O Can
Transform Your Life: Vitality, Detox, Weight Loss, Quality Water, Benefits (Water Health, Vitality,
Weight Loss, Fruit Infused Book 1) Fruit Infused Water: 101 Fruit Infused Water Recipes for Weight
Loss, Detox and Metabolism Boosting Vitamin Water Water is Life: Different Sources of Water and
Ways to Conserve Them (For Early Science Learners): Nature Book for Kids - Earth Sciences
(Children's Water Books) Micro-Hydropower Sourcebook: A Practical Guide to Design and
Implementation in Developing Countries Arc Hydro Groundwater: GIS for Hydrogeology The Large
Dam Dilemma: An Exploration of the Impacts of Hydro Projects on People and the Environment in
China (Springer Briefs in Environmental Science) College Football Schemes and Techniques:
Defensive Field Guide Nuclear Power Plant Reactor Training Manual: Boiling Water Reactor (BWR)
Design at Japan TEPCO Fukushima Plant and U.S. Plants - Comprehensive Technical Data on
Systems, Components, and Operations The Hop Grower's Handbook: The Essential Guide for
Sustainable, Small-Scale Production for Home and Market

[Dmca](#)