



Canal Design and Construction

By V.K. Bairathi

New India Publishing Agency, 2012. Hardcover. Book Condition: New. This book is an outcome of a large experience of many engineers on various different site conditions. Many actual cases have been sited. It deals with all the practical aspects of an economic section for various discharges, topographic and soil conditions. The canal design involves deep knowledge of following disciplines. Hydraulic of flow, Mechanics of bed erosion and sediment transport, Geotechnical engineering: Soil and Rock mechanics, stability of inner and outer slopes, including that of foundation, Mechanics of ground water flow, seepage and drainage characteristics of soil and ground, Tunnelling, Structural Engineering and construction techniques There are following Parameters of a Channel Design, i. Discharge, Q ii. Rugosity coefficient, N iii. Longitudinal slope, S iv. Side slope Z (horizontal : 1 vertical) v. Bed width, B vi. Depth, D or b/d ratio, X and vii. Velocity, V Lastly this volume is very friendly to field engineers and helps to avoid mistakes. It is written in such a way that the field engineers can use the relevant part directly. The book is also very useful to engineering students to enable them to clearly understand the hydraulics and economics of canal sections, and...



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Reviews

It is easy in read through easier to fully grasp. it had been written very completely and useful. I am pleased to let you know that here is the greatest book we have read during my personal life and could be the very best book for possibly.

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It is really an remarkable publication i actually have possibly study. It usually is not going to cost excessive. Its been written in an exceedingly basic way and is particularly only right after i finished reading this publication through which basically transformed me, affect the way i think.

-- **Dr. Breana O'Kon**