



River Engineering

(Theory & Practice)

Prof. Santosh Kumar

River Engineering

Author :	Santosh Kumar
ISBN 13 :	978-93-86173-79-9
ISBN 10 :	93-86173-79-4
E-ISBN 13 :	978-93-86173-79-9
Edition :	First
Pages :	264
Type of book :	Paperback
Weight (g) :	380.00
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	Civil Engineering , Civil Engineering
Condition Type :	New
Country Origin :	India

Product Description

This text book is designed essentially to meet the requirements of Undergraduate Engineering interested in Water Resources specialization. More particularly, the book shall help the field engineers involved with rivers understanding river's two function of transporting water as well as sediment. The book is divided in 3-major parts, viz. Basic Science of River flow, Sediment Transport and other topics like, Flood control, River Ganging, and River Trading. The book on River Engineering containing large number of solved problems. Simplified graphs Chapter on River Ecology and Interlinking of Rivers.



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

Table of Contents

PART I Chapter 1: River: The Great Source of Life. **Chapter 2:** River Morphology. **Chapter 3:** River Hydrology. **Chapter 4:** River Hydraulics. **PART II Chapter 5:** Sediment Characteristics. **Chapter 6:** Initiation of Particle Motion (Also known as Threshold of Movement of Incipient Motion). **Chapter 7:** Bed Forms (Regime of Flow). **Chapter 8:** Resistance to Flow (Channel Roughness). **Chapter 9:** Estimation of Sediment Load. **Chapter 10:** Sediment Measurement Techniques. **Part III Chapter 11:** Methods of River Training. **Chapter 12:** River Gauging. **Chapter 13:** Flood & Flood Control. **Chapter 14:** River Ecosystem. **Chapter 15:** Interlinking of Rivers. **Chapter 16:** River Modelling.

Author

Santosh Kumar Prof. Santosh Kumar, Former Professor of Civil Engineering at the Bihar College of Engineering/NIT Patna, obtained his Bachelor's degree in Civil Engineering from Regional Institute of technology/NIT Jamshedpur and Master's degree from University of Roorkee/NIT Roorkee. Further he obtained Dip. H.E. From Delft University, Netherlands. He completed his Ph.D from Patna University. Prof. Kumar taught water resources related subjects for more than 40 years. During his tenure he successfully guided four Ph.Ds. and a record 28 M.Tech dissertations. He also produced more than 50 research papers. Later he also acquired advanced knowledge in Environmental Science. Dr. Kumar was picked up by the World Bank as a consultant to its projects in Bihar at FMISC, where he served for four years. He is a Fellow of Institution of engineers India; Chairman Indian Water Resources Society (Patna Chapter).

