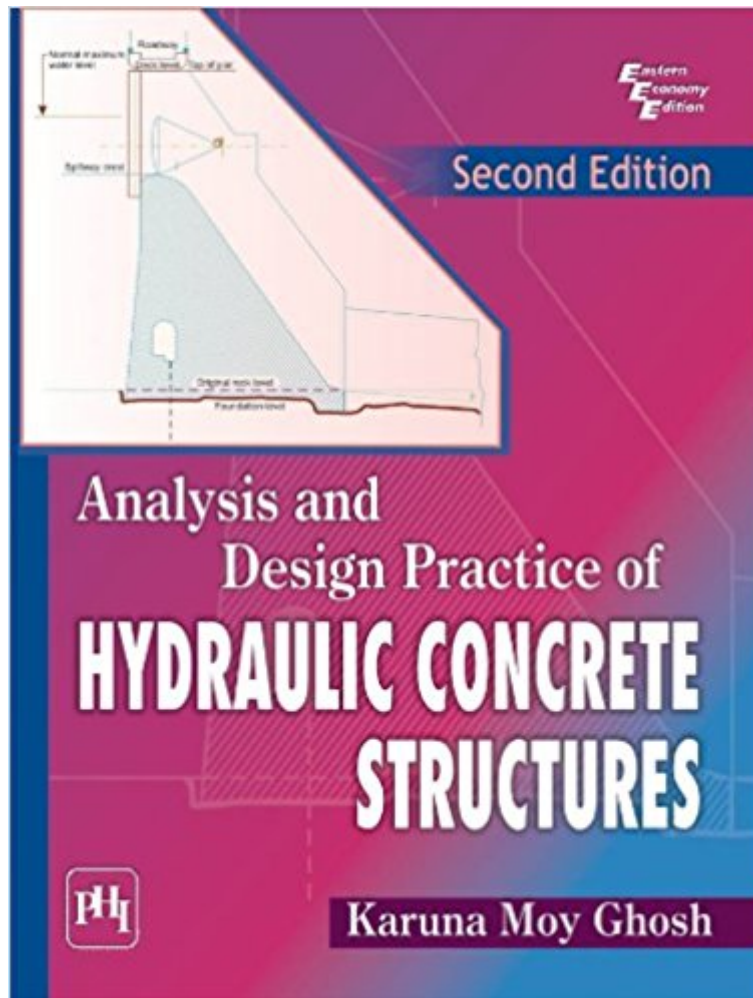




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# Analysis And Design Practice Of Hydraulic Concrete Structures



## Synopsis

This Second Edition incorporates another type of hydraulic structure, namely spillway. The spillway structure plays a vital role in regulating the designed reservoir water level to meet the fluctuating demand of water supply for the generation of hydroelectricity, irrigation and water supply purposes in controlling the height of reservoir water level downstream of the river. The spillway structure subjected to seismic hydrodynamic pressure in addition to the hydrostatic pressure, has been analysed and designed in full compliance with Eurocodes EC 2: Part 1 1 and Part 3 as water-retaining structure. The other six structures have been analysed and designed with reference to the relevant clauses of codes of practice prescribed in Eurocodes 2 and BS 8007 and BS 8110. The book is designed to serve as a useful practical guide and a valuable reference for senior undergraduate students of civil engineering and postgraduate students specializing in structural design, as well as practising and consulting engineers involved in the design and execution of hydraulic concrete structures.

## Book Information

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KARUNA MOY GHOSH CEng, FStructE (London), MIE (India) Civil Engineering, formerly Chief Structural Engineer in Kaiser Engineers, Inc., and also Mott MacDonald Group (UK), and W.S. Atkins & Partners (India), served for more than forty years in the field of civil and structural engineering gaining vast experience in teaching, management of design office and execution of various projects both in the UK and overseas. He is the author of three other books on structural engineering, namely Foundation Design in Practice, Practical Design of Reinforced Concrete

Structures, and Analysis and Design Practice of Steel Structures, all published by PHI Learning.

Very good book.

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