

## CONTENTS

	<i>Page</i>
FOREWORD	(iii)
1. Analysis of Model Data on Radial Gate Calibration — <i>P.K. Nagarkar, K.A. Grampurohit, C.V. Ghodake and A.M. Deshmukh</i>	1
2. Discharge Characteristics of Spillway Radial Gates in Maharashtra based on Model Data Analysis — <i>P.K. Nagarkar, K.A. Grampurohit, C.V. Ghodake and A.M. Deshmukh</i>	23
3. Design of Radial Gates for Rengali Dam Project — <i>R.C. Tripathy</i>	41
4. Spillway and Radial Gates — <i>N.G.K. Murti</i>	52
5. Hydraulics, Gates and Control Structures — <i>H.R. Sharma</i>	61
6. Remote Control Operation of Spillway Radial Gates of Salal Project — <i>N. Visvanathan, P.C. Jose and A.K. Gupta</i>	78
7. High Head Gates — Problems of their Complete Closure, Frequent Damage of Seals & Bearings — <i>J.P. Jain</i>	87
8. Role of Lip Shape in Effecting Closure of Vertical Fixed Wheel Gates with Upstream Seals — <i>A.V. Gopalakrishna, V.N. Diwanji, R.M. Sinnarkar and S.V. Ghorpade</i>	100
9. Radial Gate Failure on a Power Channel — Lessons & Improvements — <i>R.S. Sachdeva and J.K. Bhalla</i>	116

10.	Gate Seals and Bearings for High Head Gates — <i>Narendra Singh</i>	130
11.	Special Features of Spillway Equipment at Kotmale Dam in Sri Lanka — <i>Narendra Singh</i>	137
12.	Failure of Plummer Blocks of a Large Size Radial Gate Hoist — <i>V. Narayanan</i>	148
13.	A Correlation for Estimating Hoist Capacities of Spillway Radial Gates — <i>S.K.G. Pandit</i>	160
14.	Evolution of Standard Discharge Curves for Spillway Radial Gates — <i>T.G. Ratnaparkhi, A.K. Gorde, M.B. Dhakate, C.V. Ghodake, C.K. Shinde and P.K. Patil</i>	166
15.	Fish Belly Automatic Gates for Low Head Weirs — <i>T.G. Ratnaparkhi, A.K. Gorde, M.B. Dhakate, C.V. Ghodake, V.D. Ghorpade and B.Y. Shinde</i>	182
16.	Remote Control of Radial Gates on Dam Spillway — <i>D.G. Wankhede and R.V. Talpallikar</i>	193