

Bibliography

General References :

1. *Irrigation Principles and Practices* : *O. W. Isrelsen and V.E. Hansen*
(John Wiley & Sons, New York)
2. *Irrigation Engineering* : *I.E. Houk*
(John Wiley and Sons, New York)
3. *Fundamentals of Irrigation Engineering* : *Dr. Bharat Singh*
(Nem Chand and Bros Roorkee U.P., India)
4. *Water Resources Engineering* : *R.K. Linsley and J.B. Faranzini*
(McGraw Hill Book Co. New York)
5. *Theory and Design and Irrigation Structures* : *Varshney, Gupta & Gupta*
(Nem chand and Bros, Roorkee, U.P. India)
6. *Irrigation* : *J. D. Zimmerman*
(John Wiley and Sons, New York)

Special References

Chapter I

7. *Design and Evaluation of Irrigation Methods* : *A.M. Michael, Shri Mohan and K.R. Swaminathan*
(Water Technology Centre, IARI, New Delhi,)
8. *Elementary Soil and Water Engineering* : *Glann O, Schwab, K. Barnes, Richard K, Frevert, and Talcott W Edminister*
(John Wiley and Sons, New York)
9. *Report of the Irrigation Commission 1972, Vol. I* : *Publication of*
(Ministry of Irrigation and Agriculture, New Delhi)
11. *Engineering Management of Water Quality* : *P.H. McGauhey*
(McGraw Hill Book Co., New Delhi)
12. *Proceedings of Work Shop on Sprinkler and Drip Irrigation Systems* : *Publication of*
(Central Board of Irrigation and Power, New Delhi).

Chapter 2

13. *A Guide for Estimating Water Requirements of Crops* : *Publication of*
(Water Management Division of Department of Agriculture, New Delhi)
14. *Symposium on "Optimum Requirements and Utilisation of water for Irrigated crops"* : *Publication No. 93*
(Central Board of Irrigation and Power, New Delhi, 1963)
15. *Moisture Requirements in Agriculture* : *B.H. Roe*
(Mc Graw Hill Book Co., New Delhi)

16. *Review of Work done on Water Requirements of Crops* : *Dastane Singh, Hukkeri and Vamdav*
(Navbharat Prakashan, Poona)
17. *Water Resources of India and Their Utilisation in Agriculture* : *C. Dakshinamurthy, A.M. Michael and Sri Mohan*

Chapter 3

18. *Irrigation Engineering Vol. I (Canals and Barrages)* : *S. Leliavsky*
(Chapman and Hall, London)
19. *Symposium on Irrigation Water Management* : *Publication No. 90.*
(Central Board of Irrigation and Power, New Delhi, 1967)
20. *The Fundamental Principles of Irrigation and Water Power* : *V.B. Priyani*
(Charotar Book Stall, Anand, India 1967)

Chapter 4

21. *Hydraulics of Sediment Transport* : *Graf*
(McGraw Hill Book Company, New York)
22. *Regime Flow in Incoherent Alluviums* : *Publication No. 20 by*
Gerald Lacey (Central Board of Irrigation and Power, New Delhi, 1939)
23. "Symposium on Sediment Problems in Irrigation and Drainage Channels" : *Publication No. 91*
(Central Board of Irrigation and Power, New Delhi, 1965)
24. *Engineering Hydraulics* : *Hunter Rouse*
(John Wiley and Sons, New York)
25. *Irrigation Engineering Vol. IV (River and Canal Hydraulics)* : *S. Laliavsky*
(Chapmann and Hall, London)
26. *Open Channel Flow* : *F.M. Handerson (McMillian and Co.)*

Chapter 5

27. *I.S. 3860-1966 : Specifications for Precast Cement Concrete Canal Linings* : *Publication of*
(Bureau of Indian Standards, New Delhi)
28. *IS 3872-1966 : Code of Practice for Lining of Canals with Burnt Clay Tiles* : *Publication of*
(Bureau of Indian Standards New Delhi)
29. *IS : 3873-1966 : Code of Practice for Laying insitu Cement Concrete Lining on Canals* : *Publication of*
(Bureau of Indian Standards, New Delhi)
30. *IS 4515-1976 : Code of Practice for Boulder Lining for Canals* : *Publication of*
(Bureau of Indian Standards, New Delhi)
31. *IS 4558-1968 Code of Practice for Under-Drainage of Lined Canals* : *Publication of*
(Bureau of Indian Standards, Manak Bhavan, New Delhi)
32. *IS 4701-1968 : Code of Practice for Earthquakes on Canals* : *Publication of*
(Bureau of Indian Standards, Manak Bhavan, New Delhi)
33. *IS 4745-1968 : Code of practice for Design for Cross-section of Lined Canals* : *Publication of*
(Bureau of Indian Standards, Manak Bhavan, New Delhi)

34. *Lower Cost Canal Linings* : *Publication of*
(Bureau of Reclamation U.S. Deptt. Interior,
Denver, Colorado, June 1948)
35. *Canal Lining in India* : *Kanwar Sain*
(Proceedings of International Commission on
Irrigation and Drainage, Third congress San
Francisco 1957, pp 145-175)
36. *Investigation of Necessity for
Drainage behind Canal Lining* : *A.S. Kalha and I.P. Kapila (Report Central
Design office, Punjab Irrigation Branch,
Simla, 1952)*

Chapter 6

37. *Drainage Engineering* : *J.N. Luthin*
(John Wiley and Sons, New York)
38. *Soil Conditions and Plant
Growth* : *E.W. Russell*
(Longman Green and Co., London)
39. *Symposium on "Water Logging
— Causes and Measures for its
Prevention, Vol. I and II* : *Publication No. 118*
(Central Board of Irrigation and Power,
New Delhi, 1972)

Chapter 7

40. *Hydrology* : *C.O. Wisler and E.F. Brater*
(John Wiley and Sons, New York, 1959)
41. *Hydrology* : *O.E. Meinzer*
(McGraw Hill Book Co., New York)
42. *Engineering for Dams, Vol. I
(General Design)* : *Creager, Justin and Hinds*
(John Wiley and Sons, New York)
43. *A Hand book of Hydrology* : *Publication of*
(Govt. of India, Ministry of Agriculture, 1972)
44. *Applied Hydrology* : *Linsley Kohlar and Paulhus (McGraw Hill
Book Co., New York)*
45. *Hydrology for Engineers* : *Linsley, Kohlar and Paulhus*
(McGraw Hill Book Co., New York)

Chapter 8

46. *Manual on River Behaviour
Control and Training* : *Publication No. 60*
(Central Board of Irrigation
and Power, New Delhi, 1971)
47. *Drainage and Flood control
Engineering (Chapter XI)* : *G.W. Pickles*
(McGraw Hill Book Company,
New York, 1941)

Chapter 9

48. *Irrigation Engineering,
Vol. II (Canals and Barrages)* : *S. Leliavsky*
(Chapmann and Hall, London)
49. *Irrigation Engineering, Vol. V
(Weirs)* : *S. Leliavsky*
(Chapman and Hall, London)

Chapter 10

50. *Open Channel Hydraulics* : *Ven Te Chow*
(McGraw Hill Book Co. International Students
Edition)

51. The Standing Wave or Hydraulic Jump : *Publication No. 7 with supplement from Sh. R.M. Advani 1964*
(Central Board of Irrigation and Power, New Delhi)
52. *Design of Weirs on Permeable Foundations* : *Publication No. 12 by A.N. Khosla, Dr. N.K. Bose, and Dr. E. Machenzie Taylor*
(Central Board of Irrigation and Power, 1936 reprinted 1962, 1981)

Chapter 12

53. *Irrigation Canal Falls* : *Publication No. 10 — Compiled by Mr. A.M.R. Montague* (Central Board of Irrigation and Power, 1935)
54. Draft Manual on Falls : *Publication of*
(Central Water Commission, Delhi)

Chapter 13

55. Irrigation (Vol. IV) : *K.B. Khushalani and Sh. Manohar Khushalani*
(Oxford and IBH Publishing Co. Pvt, New Delhi)

Chapter 14

56. *Design of Syphons* : *Publication No. 59 by Prof. N.S. Govinda Rao*
(Central Board of Irrigation and Power, New Delhi, 1956)
57. *Irrigation Engineering, Vol. II (Syphons, Weirs and Locks)* : *S. Leliavsky*
(Chapman and Hall, London)

Chapter 15

58. *Design of small Bridges and Culverts* : *Goverdhan Lal* (CWC Publication)
59. *Guidelines for the Design of Small Bridges & Culverts* : *Publication of*
(Indian Roads Congress, Jamnagar House, New Delhi-11)
60. *California Culvert Practice* : *Publication of*
(State of California, Division of Highways, Publication Sacramento California)

Chapter 16

61. *Ground Water, its Development, Uses and Conservation* : *E.W. Bennisen*
(E.F. Johnson Inc. St. Paul, Minn)
62. *Ground Water Hydrology* : *D.K. Todd*
(John Wiley and Sons, New York)
63. *Tubewell and Ground Water Resources* : *Publication No. 54*
(Central Board of Irrigation and Power, 1965)
64. *Irrigation (Theory and Practice)* : *A.M. Michael*
(Vikas Publishing House Pvt. Ltd., New Delhi, 1973)
65. *Handbook on Boring and Deepening of Wells* : *Publication of*
(Ministry of Food and Agriculture, Govt. of India, 1963)

66. *Design of Tubewells* : A. Sanghi
(Institution of Engineers, India)
67. *Water Wealth of India* : Dr. K.L. Rao
(Longman Publication)
68. *Water Well and Pump Engineering* : A.M. Michael and S.D. Khepar
(Tata McGraw Hill Publishing Co. Ltd., New Delhi, 1985)
- Chapter 17**
69. *Rivers in Harness (The Story of Dams)* : Allan H. Culler
(A division of Chilton Company, Publishers, New York)
70. *Silting of Reservoirs* : A.N. Khosla
(Central Board of Irrigation and Power, New Delhi)
- Chapter 18**
71. *Investigation Manual for Storage Reservoirs* : Publication No. P-58 (Central Board of Irrigation and Power, New Delhi)
72. *A Handbook of Applied Hydraulics* : Publication of
(Central Board of Irrigation and Power, New Delhi)
73. *Manual on Capacity Survey of Reservoirs* : Sh. B.N. Murthy
- Chapter 19**
74. *Engineering for Dams (Vol. II), (Concrete Dams)* : Creager, Justin and Hinds (John Wiley and Sons, New York)
75. *Design of Small Dams* : A Technical Publication of (Govt. of U.S. Deptt. of Interior-Washington, and the Bureau of Reclamation, Colorado, 1960, 1965)
76. *Treatise of Dams* : USBR Manual
(The Bureau of Reclamation Colorado, United States)
77. *Design and Construction of Dams* : Edward Wegmann
(John Wiley and Sons, New York)
78. *IS-1893-1962 Recommendations for Earthquake Resistant Design of Structures* : Publication of :
(Bureau of Indian Standards, New Delhi)
79. *Irrigation Engineering Vol. VI (Dams)* : S. Lieliavsky
(Chapman and Hall, London)
- Chapter 20**
80. *Fundamentals of Soil Mechanics* : D.W. Taylor
(Asia Publishing House, New Delhi)
81. *Geotech Engineering – Soil Mechanics and Foundation Engineering* : Santosh Kumar Garg
(Khanna Publishers, New Delhi, 1998 ed.)
82. *Engineering for Dams, Vol. III (Earth, Rockfill, Steel and Timber Dams)* : Creager, Justin and Hinds
(John Wiley and Sons, New York)
83. *Earth and Rock Dams* : Sheard, L. James and Others

Chapter 21 and 22

84. *Symposium on : "Spillway Capacity of Dams", and (ii) Various Methods of Designing Spillway Capacity Discharges"* : *Publication No. 65*
(Central Board of Irrigation and Power, New Delhi)
85. *Hydraulic Design of Spillways* : *Manual of*
(U.S. Army Engineers EM 1102-2-1603)
86. *Dams and Control Works* : *USBR Publication*
(Washington, DC, 1954)
87. *Hydraulic Energy Dissipators* : *I.A. Edwerd Elevatoroki*
(Mc Graw Hill Book Co., New York)
88. *Symposium on Energy Dissipators* : *Publication No. 70*
(Central Board of Irrigation & Power, New Delhi, 1955)

Chapter 23

89. *Corrosion and Corrosion Control* : *H.H. Uhlig*
(John Wiley and Sons, New York)
90. *Fluid Mechanics with Engineering Applications* : *R.L. Daugherty and J.B. Franzini*
(McGraw Hill Book Co., New York)

Chapter 24

91. *Hydropower Engineering* : *James Doland*
(Ronald Publication, New York)
92. *Hydroelectric Engineering Practice, Vol. I to Vol. III* : *J. Guthrie Brown* (Blackie and Sons Ltd., London, 1958)
93. *Irrigation Engineering, Vol. III (Hydroelectric Engineering for Civil Engineers)* : *S. Leliavsky*
(Chapman and Hall, London)
94. *Water Power Engineering* : *H.K. Barrows*
(McGraw Hill Book Co., New York, 1943)
95. *Hydroelectric Hand Book* : *W.P. Creager and J.D. Justin*,
(John Wiley and Sons, New York, 1963)

Chapter 25

96. *An introduction to Fluvial Hydraulics* : *S. Leliavsky*
(Constable, London, 1955)
97. *Hand Book of Applied Hydraulics* : *Rich George*
(McGraw Hill Book Co., New York)

Chapter 26

98. *College of Engineering Manual on Irrigation* : *Cl. W.M. Ellis*
(Govt. Press, Madras, 1950)
99. *Irrigation Planning for Intensive Cultivation* : *H.L. Sally*
(Asia Publishing House, Bombay)

Chapter 27

100. *Irrigation (Vol. III)-Arch, Buttress, Earth and Rockfill Dams* : *K.B. Khushalani and Manohar Khushalani*
(Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi)

Chapter 28

101. *Report of the Committee on pricing of Irrigation-Water* : *Publication of*
(Planning Commission, Govt. of India, New Delhi, 1992)