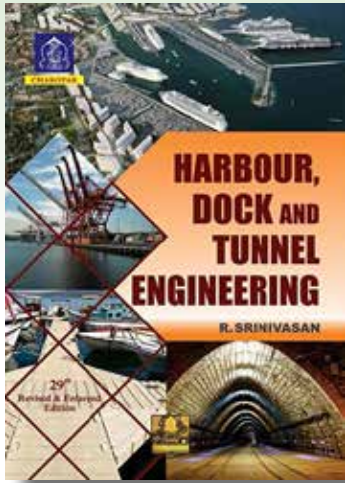


HARBOUR DOCK AND TUNNEL ENGINEERING



REVISED
& ENLARGED

By
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Edition : 29th Revised and Enlarged Edition: 2018
ISBN : 9789385039324
Size : 170 mm × 235 mm
Binding : Paperback
Pages : 324 + 16 = 340

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ABOUT THE BOOK

In the subject of Transportation Engineering, study of Harbour, Dock and Tunnel Engineering is essential. This well-known text-book now in its twenty-ninth thoroughly Revised and Enlarged edition, concisely formulates the basic principles of the subject matter in simple, lucid and easy language presented in two sections.

Section I – Harbour and Dock Engineering

is well-divided in twelve chapters. It discusses the topics on Harbour and Ports; Natural Phenomena: Tides, Wind and Waves; Protection facilities: Mound Breakwater, Wall Type Breakwater, Special Type Breakwater such as Floating Type, Hydraulic Type and Pneumatic Type Breakwater; Planning and Layout of Ports; Various other Facilities such as Docking Facilities; Repairing Facilities; Approach Facilities; Loading Unloading Facilities; Storing Facilities; Dredging Facilities and Guiding Facilities.

Section II – Tunnel Engineering

is also well-divided in twelve chapters. It discusses the topics on General Aspects of Tunnelling; Stages in Tunnel Construction; Shafts and Portals; Soil Classification and Various Tunnelling Methods for Soft Soils; Tunnelling in Water Bearing Soils; Tunnelling in Rock; The New Austrian Tunnelling Method (NATM); Tunnel Lining; Drainage of Tunnels; Lighting, Ventilation and Dust Control in Tunnels; and Safety in Tunnel Construction.

The Salient Features of this book are

243 Self explanatory neatly drawn sketches, photographs and more than
321 examination questions at the end of each chapter.

The book in the present form will prove to be extremely useful to the students preparing for the Degree examinations in Civil Engineering of all the Indian Universities, Diploma examinations conducted by various Boards of Technical Education, Certificate Courses as well as for the A.M.I.E., U.P.S.C., G.A.T.E., I.E.S., and other similar competitive and professional examinations. It should also be an immense use to practicing Civil Engineers.

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