



Analysis and Design of Foundations and Retaining Structures Subjected to Seismic Loads

By Swami Saran

I.K. International Publishing House Pvt. Ltd., 2012. Paperback. Book Condition: New. 18cm x 24cm. The book offers a systematic treatment of the analysis and design of foundations and retaining structures subjected to dynamic loads. Written for graduate students and practicing geotechnical engineers, this book is designed to help reader understand the fundamental principles and procedures of analysing and designing geotechnical structures subjected to dynamic loads. Topics covered in the book include: Dynamic soil properties & liquefaction; Dynamic earth pressures shallow, pile and well foundations; rigid and water front retaining structures, bridge abutments; reinforced earth and soils nailed walls. A number of solved examples are included in each chapter. All the formulae, charts and examples are given in SI units. Both analysis and design methodology are based on the latest state-of-the-art and IS codes available on the particular theme.



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