

# RCC Slabs: A Comprehensive Guide



# Comprehensive Design For Rcc Slabs

**M.Y.H. Bangash**



## **Comprehensive Design For Rcc Slabs:**

**Reinforced Concrete Slabs** Robert Park, William L. Gamble, 1999-12-28 Comprehensive up to date coverage of reinforced concrete slabs from leading authorities in the field Offering an essential background for a thorough understanding of building code requirements and design procedures for slabs Reinforced Concrete Slabs Second Edition provides a full treatment of today s approaches to reinforced concrete slab analysis and design Now brought up to date with a wealth of new material on computer optimization the equivalent frame method lateral load analysis and other current topics the new edition of this classic text begins with a general discussion of slab analysis and design followed by an exploration of key methods equivalent frame direct design and strip methods and theories elastic lower bound and yield line theories Later chapters discuss other important issues including shear strength serviceability membrane action and fire resistance Comprehensive and accessible Reinforced Concrete Slabs Second Edition appeals to a broad range of readers from senior and graduate students in civil and architectural engineering to practicing structural engineers architects contractors construction engineers and consultants

**Comprehensive Rcc.Designs** Dr. B.C. Punmia, Ashok Kumar Jain & Arun Kumar Jain, CONTENTS Part 1 Working Stress Method 1 Introduction 2 Theory of reinforced beams and Slabs 3 Shear and bond 4 Torsion 5 Doubly reinforced beams 6 T and L Beams 7 Design of beams and Slabs 8 Design of stair cases 9 Reinforced brick and hollow tile roofs 10 Two way slabs 11 Circular slabs 12 Flat slabs 13 Axially loaded columns 14 Combined direct and bending stresses 15 Continuous and isolated footings 16 Combined footings 17 Pile foundations 18 Retaining Walls Part 11 Water Tanks 19 Domes 20 Beams curved in plan 21 Water tanks 1 Simple cases 22 Water tanks 11 Circular INTZE Tanks 23 Water tanks 111 Rectangular tanks 24 Water tanks IV Underground tanks Part 111 Miscellaneous Structures 25 Reinforced concrete pipes 26 Bunkers and silos 27 Chimneys 28 Portal frames 29 Building frames Part IV Concrete Bridges 30 Aqueducts and box culverts 31 Concrete Bridges Part V Limit State Design 32 Design concepts 33 Singly reinforced section 34 Doubly reinforced sections 35 T and L Beams 36 Shear bond and torsion 37 Design of beams and slabs 38 Axially loaded columns 39 Columns with Uniaxial and Biaxial bending 40 Design of stair cases 41 Two way slabs 42 Circular slabs 43 Yield Line theory and design of slabs 44 Foundations Part IV Prestressed concrete and Miscellaneous Topics 45 Prestressed concrete 46 Shrinkage and creep 47 Form Work 48 Tests for cement and concrete

**Mechanics of Structures and Materials XXIV** Hong Hao, Chunwei Zhang, 2019-08-08 Mechanics of Structures and Materials Advancements and Challenges is a collection of peer reviewed papers presented at the 24th Australasian Conference on the Mechanics of Structures and Materials ACM24 Curtin University Perth Western Australia 6 9 December 2016 The contributions from academics researchers and practising engineers from Australasian Asia pacific region and around the world cover a wide range of topics including Structural mechanics Computational mechanics Reinforced and prestressed concrete structures Steel structures Composite structures Civil engineering materials Fire engineering Coastal and offshore structures Dynamic

analysis of structures Structural health monitoring and damage identification Structural reliability analysis and design Structural optimization Fracture and damage mechanics Soil mechanics and foundation engineering Pavement materials and technology Shock and impact loading Earthquake loading Traffic and other man made loadings Wave and wind loading Thermal effects Design codes Mechanics of Structures and Materials Advancements and Challenges will be of interest to academics and professionals involved in Structural Engineering and Materials Science **BRE Digest** ,2001

Architecture + Design ,2004 *4th fib Congress in Mumbai India* FIB - International Federation for Structural Concrete,2014-02-01 *Earthquake Resistant Buildings* M.Y.H. Bangash,2011-08-19 This concise work provides a general introduction to the design of buildings which must be resistant to the effect of earthquakes A major part of this design involves the building structure which has a primary role in preventing serious damage or structural collapse Much of the material presented in this book examines building structures Due to the recent discovery of vertical components it examines not only the resistance to lateral forces but also analyses the disastrous influence of vertical components The work is written for Practicing Civil Structural and Mechanical Engineers Seismologists and Geoscientists It serves as a knowledge source for graduate students and their instructors **2024-25 Rajsthan AEN/JEN Civil Engineering Solved Papers** YCT Expert

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**Engineering: Perspectives of Developing Countries (ACEDEC-2003): Structures engineering and geotechnical infrastructure development** ,2003 Transportation Research Record ,1996 **Recent Developments in Structural Engineering, Volume 4** Manmohan Dass Goel,Arvind Y. Vyavahare,Ashish P. Khatri,2024-10-25 The book presents the select proceedings of 13th Structural Engineering Convention It covers the latest research in multidisciplinary areas within structural engineering Various topics covered include structural dynamics structural mechanics finite element methods structural vibration control advanced cementitious and composite materials bridge engineering soil structure interaction blast impact fire material and many more The book will be a useful reference material for structural engineering researchers and practicing engineers **Bulletin of the Institution of Engineers (India).** Institution of Engineers (India),1986

**Report** Central Road Research Institute,1983 *ISI Bulletin* ,1972 Report India. Central Road Research Institute,1969 The Indian & Eastern Engineer ,1972 Architectural Practice in India Madhav Deobhakta,Meera Deobhakta,2007 **Applied Mechanics Reviews** ,1970 **Concrete International** ,1989

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