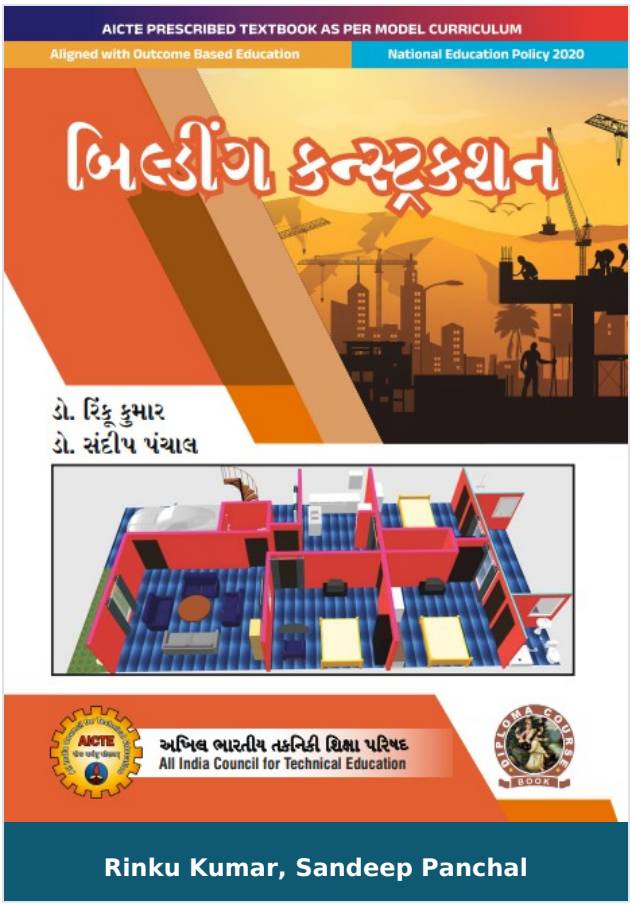


# Building Construction

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## Author

**Rinku Kumar**

Dr. Rinku Kumar Assistant Professor, Lecturer, Government Polytechnic Mankeda, Agra, Uttar Pradesh Dr.

**Sandeep Panchal**

Dr. Sandeep Panchal Lecturer, Department of Civil Engineering, Government Polytechnic Mankeda, Agra, Uttar Pradesh, India

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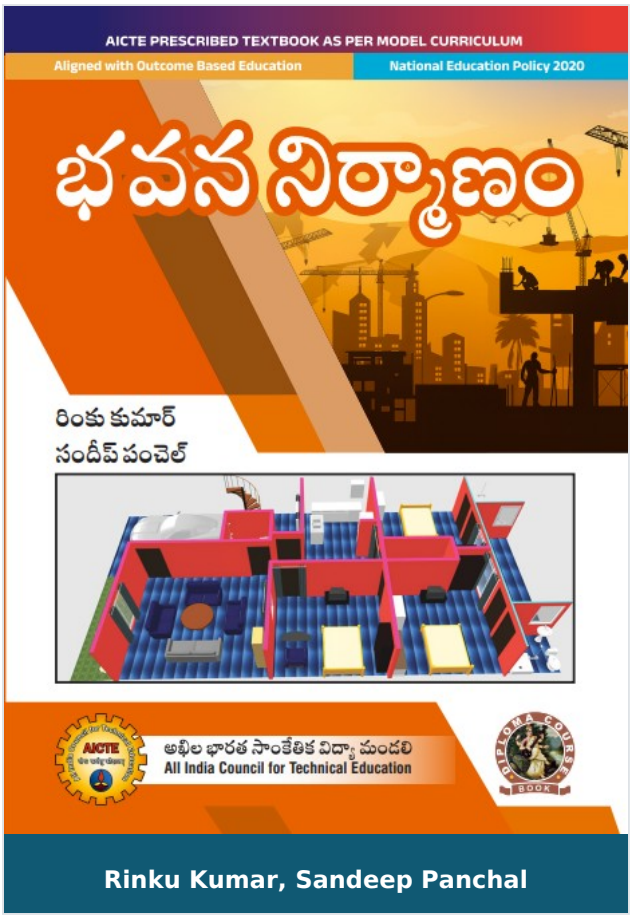


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## Author

**Rinku Kumar**

Dr. Rinku Kumar Assistant Professor, Lecturer, Government Polytechnic Mankeda, Agra, Uttar Pradesh Dr.

**Sandeep Panchal**

Dr. Sandeep Panchal Lecturer, Department of Civil Engineering, Government Polytechnic Mankeda, Agra, Uttar Pradesh, India

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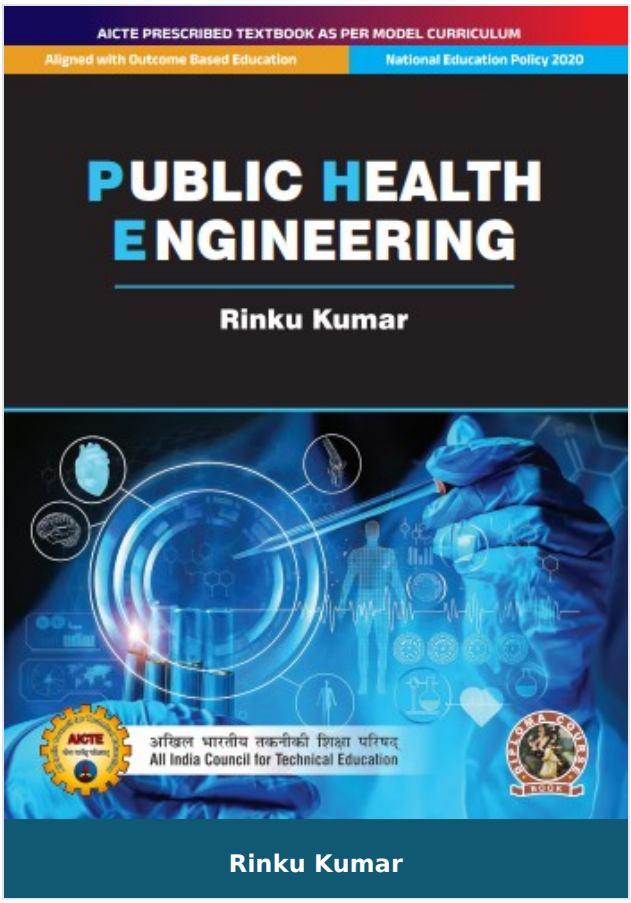


# Public Health Engineering

| | |
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## Product Description

### Public Health Engineering

This book familiarizes the students with the basics of public health engineering. The main aim of this book is to provide conceptual knowledge of techniques and processes for selecting water sources for domestic purpose and different treatment process related to treatment of sewage. These knowledge helps in deciding the water requirement of town or city. The main context of this book is aligned with the model curriculum of AICTE followed by the concept of outcome-based education according to the National Education Policy (NEP)2020.

Salient Features:

- The content of the book is aligned with the mapping of course outcomes, program outcomes and unit outcomes.
- At the beginning of each unit, unit outcomes are provided to help the students understand what is expected of them after completing the unit.
- The book consists of a lot of information about the sources of water for supply in town and make it easier to understand different sources to the students.
- The practical problems related to forecasting of population are discussed to enhance the understanding of the design period of different treatment units helps the field engineers.
- Different sewage techniques are discussed in details which helps the environmental engineering in deciding particular techniques based on characteristics of sewage.
- Some information about the latest IS code is also shared.
- QR codes are given in the book to access advanced information about the different topics.

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- Solved numerical problems, short-answer, long-answer, and multiple-choice questions (MCQs) are given for practice at the end of each unit.

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## Table Of Contents


- Foreword
- Dedication
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Sources, Demand and Quality of Water
- Purification or Water
- Conveyance and Distribution of Water
- Domestic Sewage and System of Sewerages
- Characteristics and Treatment of Sewage
- References For Further Learning
- CO And PO Attainment Table
- Index


## Author

**Rinku Kumar**

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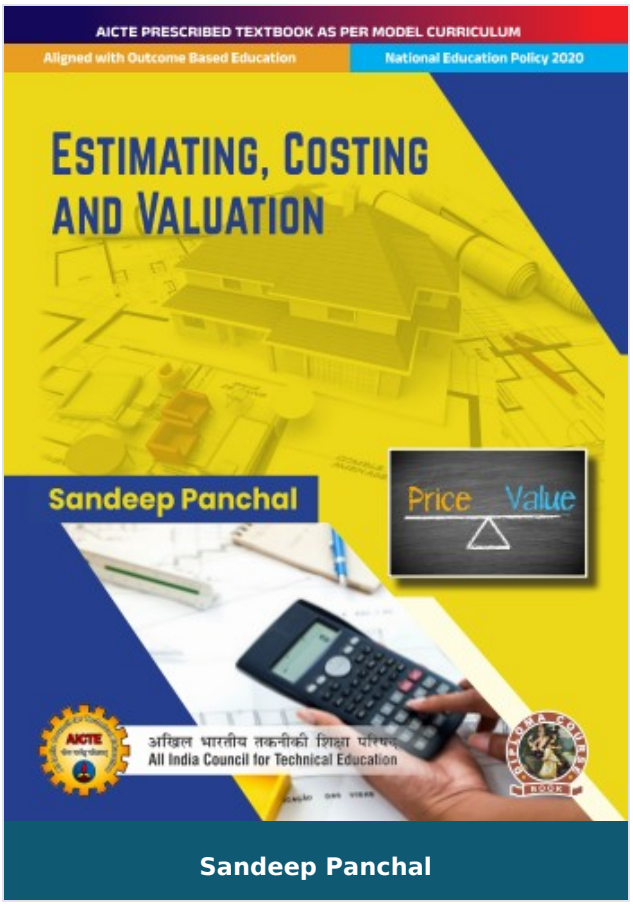


# Estimating, Costing and valuation

| | |
|---|---|
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## Product Description

**Estimating, Costing and valuation**

This book familiarizes the students with the basics of estimating, costing and valuation. The main aim of this book is to provide conceptual knowledge of techniques and processes for estimating and costing of construction projects that can be applied by civil engineers and quality surveyors. The main context of this book is aligned with the model curriculum of AICTE followed by the concept of outcome-based education according to the National Education Policy (NEP)2020.

Salient Features:

- The content of the book is aligned with the mapping of course outcomes, program outcomes and unit outcomes.
- At the beginning of each unit, unit outcomes are provided to help the students understand what is expected of them after completing the unit.
- The book consists of a lot of information about the estimating and costing of the buildings, roads, and canals making it easier to understand by the students.
- The practical problems related to estimating, costing, and rate analysis are discussed to enhance the understanding of the subject in the students and field engineers.
- Detailed information about the schedule of rates and the techniques to obtain the latest rates are discussed to help professional engineers and students.
- Some information about the latest software on estimating and costing is also shared.
- QR codes are given in the book to access advanced information about the different topics.
- Apart from the essential information, a `know more’ section is also included that gives information about the historical facts and enhances the interest of the

students in the subject.

- Solved numerical problems, short-answer, long-answer, and multiple-choice questions (MCQs) are given for practice at the end of each unit.

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## Table Of Contents


- Foreword
- Dedication
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Figures
- Fundamentals Of Estimation and Costing
- Approximate Estimates
- Detailed Estimates
- Estimates for Civil Engineering Works
- Rate Analysis
- Appendix
- References for Further Learning
- CO and PO Attainment Table
- Index


## Author

**Sandeep Panchal**

**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Dr. Sandeep Panchal Lecturer, Department of Civil Engineering, Government Polytechnic Mankeda, Agra, Uttar Pradesh, India

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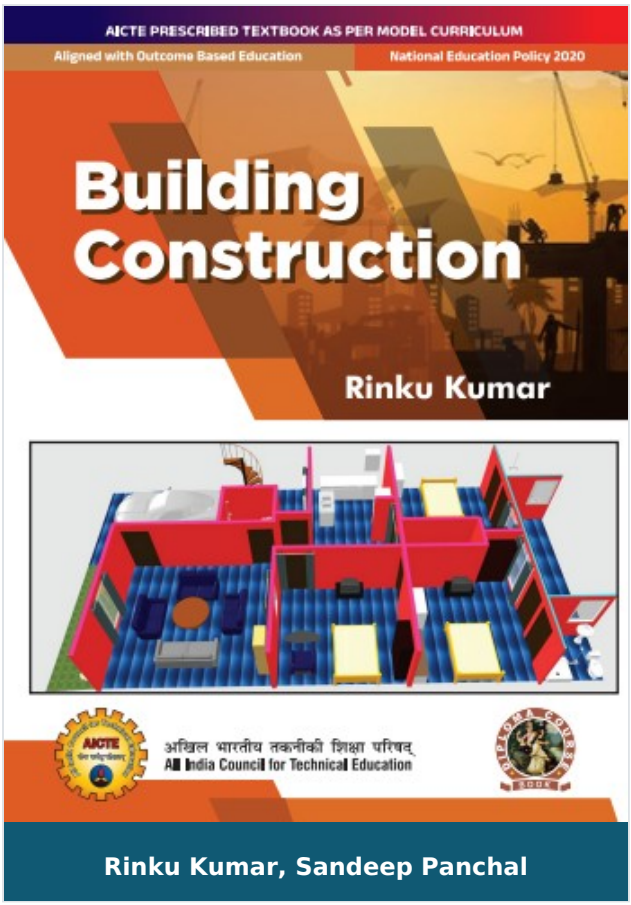


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## Product Description

### Building Construction

This book familiarizes the students with the basics of building construction. The main aim of this book is to provide conceptual knowledge of techniques and processes used for the construction of buildings that can be applied with the model curriculum of AICTE followed by the concept pf outcome-based education according to the National Education Policy (NEP) 2020.

Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- The book consists of a lot of information about the construction of the various parts of building, making it easier to understand by the students.
- The 2-d and 3-D figures are given for enhancing the understanding of the subject in the students and field engineers.
- QR codes are given in the book to access advanced information about the different topics.
- Apart from the essential information, a `know more’ section is also included that gives information the historical facts and enhances the interest of the students in the subjects.
- Short-answer, long answer and multiple-choice questions (MCQs) are given for practice at the end of each unit.

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## Table Of Contents


- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Overview of Buliding Components
- Construction of substructure
- Construction of Superstructure
- Building Communication and Ventilation
- Building Finishes
- Appendices
- References for Further Learning
- Co and Po Attainment table
- Index


## Author

**Rinku Kumar**

**Khanna Publishing House**

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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Dr. Rinku Kumar Assistant Professor, Lecturer, Government Polytechnic Mankeda, Agra, Uttar Pradesh Dr.

**Sandeep Panchal**

Dr. Sandeep Panchal Lecturer, Department of Civil Engineering, Government Polytechnic Mankeda, Agra, Uttar Pradesh, India

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