

## LECTURE MANUAL

*In*

CE116

# CONSTRUCTION COST ENGINEERING

### Topics:

1. Introduction and Orientation
2. The Project Management Information System
  - a. System Information Systems
  - b. The PMIS, Objectives, Design
  - c. Components of PMIS
  - d. Values of PMIS
  - e. Challenges to implementation of PMIS
3. Introduction to Construction Cost
  - a. Types of Construction Cost:
  - b. Preliminary Estimate; Cost per sq.m.
  - c. Stipulated sum/Unit Price; Cost plus;
  - d. Estimating formats
  - e. Work Breakdown Structure (WBS)
  - f. CSI Master Format
4. Cost Estimating Components
  - a. Quantities
  - b. Direct Cost:
  - c. Unit Cost Theory and Practice
  - d. Materials, Labor, Equipment
  - e. Equipment Cost of Owning and operating
  - f. Sub-con cost
  - g. Project Overhead Cost
  - h. Contingencies/taxes
  - i. Profit/mark-up
5. Cost Planning
  - a. Flowchart-Project Scheduling
  - b. Flowchart-Material Cost Scheduling
  - c. Flowchart-Manpower Scheduling
  - d. Flowchart-Subcon Cost Scheduling
  - e. Flowchart-Equipment Cost Scheduling
  - f. Preparing Cash flow projections
6. Cash flow assumptions:

# General Construction Cost Estimating Manual Diploma

**M Mark**



## **General Construction Cost Estimating Manual Diploma:**

## Decoding **General Construction Cost Estimating Manual Diploma**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**General Construction Cost Estimating Manual Diploma**," a mesmerizing literary creation penned by a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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