

Estimation & Costing (DI04006021)

Lecture 12: Detailed Estimate - Definition and Purpose

What is a Detailed Estimate?

Definition

A detailed estimate is an accurate estimate prepared by working out the quantities of each item of work separately and then multiplying them by their respective rates.

- It is the most reliable and accurate type of estimate.
- Prepared in two stages:
 - 1 Taking out quantities (Measurement).
 - 2 Abstracting (Valuation).

Purpose of Detailed Estimate

- To obtain **Technical Sanction** of the project.
- To arrange for funds or budget provisions.
- To invite tenders and arrange contracts.
- To check the actual execution cost against the estimated cost.
- To control the expenditure during construction.

Data Required for Detailed Estimate

Essential Data

- **Drawings:** Detailed plans, elevations, and sections with complete dimensions.
- **Specifications:** General (brief) and Detailed specifications indicating the nature, quality, and class of work.
- **Rates:** Current Schedule of Rates (SOR) or derived rate analysis.

