

Estimation & Costing (DI04006021)

Lecture 14: Procedure for Preparation of Detailed Estimate

Step 1: Taking out Quantities

- The dimensions (Length, Breadth, Depth/Height) are taken from the drawings.
- Entered into a standard **Measurement Sheet** or **Details of Measurement Form**.
- Quantities are calculated by multiplying numbers, length, breadth, and depth.

Format of Measurement Sheet

Item No.	Description	No.	L (m)	B (m)	D/H (m)	Quantity	Remarks
1	Earthwork in excav.	1	10.0	1.0	1.0	10.0 m^3	

Step 2: Abstracting

- The total quantities of each item are transferred to an **Abstract Sheet**.
- These quantities are multiplied by their respective unit rates to get the cost of each item.
- A percentage for contingencies and work-charged establishment is added at the end.

Format of Abstract Sheet

Item No.	Description	Quantity	Unit	Rate (Rs)	Per	Amount (Rs)
1	Earthwork in excav.	10.0	m ³	350	m ³	3500

Process Flowchart

