

Estimation & Costing (DI04006021)

Lecture 26: Provisions: Water, Sanitary Electrification

Water Supply & Sanitary Charges

For building projects, detailed estimating of plumbing is complex at the initial stage. Instead, a lump sum percentage is added:

- **Water Supply:** Generally **8%** of the building cost is added.
- **Sanitary & Drainage:** Generally **8%** of the building cost is added.
- Often, these two are combined and taken as **15%** of the civil cost.

Electrification Charges

- Includes internal wiring, switches, distribution boards, and fixtures.
- A provision of **8%** of the building cost is normally made.
- For buildings with specialized needs (like air-conditioning or heavy machinery), this percentage is increased or a separate detailed estimate is prepared.

