

What are the various stages of a construction project (from planning to completion)?

👉 **The steps have been mixed up (within each phase). It's up to you to put them back in the correct order.**

1. Pre-Construction (Planning & Design Phase)

a) Concept & Feasibility Study

- Identify key stakeholders and regulatory requirements.
- Conduct feasibility studies (technical, financial, and environmental).
- Define project goals, scope, and budget.

b) Design & Engineering

- Obtain necessary permits and approvals.
- Create detailed blueprints and technical drawings.
- Develop initial architectural and structural designs.

c) Cost Estimation & Bidding

- Finalize contracts and agreements.
- Prepare a detailed budget and cost estimates.
- Select contractors and subcontractors through bidding.

2. Construction (Execution Phase)

d) Site Preparation & Foundation

- Construct walls, floors, and roof.
- Excavate and lay the foundation.

e) Structural Work

- Build framework (steel, concrete, or wood).

- Clear land, conduct site surveys.

f) Mechanical, Electrical, and Plumbing (MEP)

- Test systems for safety and compliance.
- Install electrical, plumbing, and HVAC systems.

g) Interior & Exterior Finishing

- Landscaping and exterior finishing.
 - Flooring, painting, and ceiling installation.
-

3. Post-Construction (Completion & Handover)

h) Final Inspection & Testing

- Ensure compliance with building codes and regulations.
- Conduct quality checks, safety inspections, and system testing.

i) Handover & Occupancy

- Obtain final approvals and occupancy permits.
- Provide documentation (warranties, maintenance guidelines).
- Officially transfer the building to the owner.

j) Maintenance & Facility Management

- Address any defects during the warranty period.
- Implement routine maintenance and long-term care.