

Project	Phase	Phase 1: Initial Assessment			Phase 2: Detailed Design			Phase 3: Construction			Phase 4: Commissioning			Phase 5: Operation & Maintenance		
		Activity	Deliverable	Responsible	Activity	Deliverable	Responsible	Activity	Deliverable	Responsible	Activity	Deliverable	Responsible	Activity	Deliverable	Responsible
Project A: New Building Construction	Phase 1	1.1 Site investigation and geotechnical studies.	1.2 Preliminary design and planning.	1.3 Obtain planning permission.	2.1 Detailed architectural design.	2.2 Structural design and calculations.	2.3 Mechanical, electrical, and plumbing (MEP) design.	3.1 Procurement of materials and labor.	3.2 Foundation and groundworks.	3.3 Superstructure construction.	4.1 Installation of services (water, electricity, etc.).	4.2 Final inspection and handover.	5.1 Regular maintenance and cleaning.	5.2 Repairs and minor alterations.	5.3 Energy efficiency audits.	
	Phase 2	1.4 Obtain planning permission.	1.5 Finalize design and specifications.	1.6 Prepare tender documents.	2.4 Finalize design and specifications.	2.5 Obtain planning permission.	2.6 Prepare tender documents.	3.4 Site preparation and clearing.	3.5 Foundation and groundworks.	3.6 Superstructure construction.	4.3 Commissioning of services.	4.4 Final inspection and handover.	5.4 Regular maintenance and cleaning.	5.5 Repairs and minor alterations.	5.6 Energy efficiency audits.	
	Phase 3	1.7 Obtain planning permission.	1.8 Finalize design and specifications.	1.9 Prepare tender documents.	2.7 Finalize design and specifications.	2.8 Obtain planning permission.	2.9 Prepare tender documents.	3.7 Site preparation and clearing.	3.8 Foundation and groundworks.	3.9 Superstructure construction.	4.5 Commissioning of services.	4.6 Final inspection and handover.	5.7 Regular maintenance and cleaning.	5.8 Repairs and minor alterations.	5.9 Energy efficiency audits.	
	Phase 4	1.10 Obtain planning permission.	1.11 Finalize design and specifications.	1.12 Prepare tender documents.	2.10 Finalize design and specifications.	2.11 Obtain planning permission.	2.12 Prepare tender documents.	3.10 Site preparation and clearing.	3.11 Foundation and groundworks.	3.12 Superstructure construction.	4.7 Commissioning of services.	4.8 Final inspection and handover.	5.10 Regular maintenance and cleaning.	5.11 Repairs and minor alterations.	5.12 Energy efficiency audits.	
Project B: Renovation of Existing Building	Phase 1	1.1 Structural assessment and survey.	1.2 Preliminary design and planning.	1.3 Obtain planning permission.	2.1 Detailed architectural design.	2.2 Structural design and calculations.	2.3 MEP design.	3.1 Procurement of materials and labor.	3.2 Foundation and groundworks.	3.3 Superstructure construction.	4.1 Installation of services.	4.2 Final inspection and handover.	5.1 Regular maintenance and cleaning.	5.2 Repairs and minor alterations.	5.3 Energy efficiency audits.	
	Phase 2	1.4 Obtain planning permission.	1.5 Finalize design and specifications.	1.6 Prepare tender documents.	2.4 Finalize design and specifications.	2.5 Obtain planning permission.	2.6 Prepare tender documents.	3.4 Site preparation and clearing.	3.5 Foundation and groundworks.	3.6 Superstructure construction.	4.3 Commissioning of services.	4.4 Final inspection and handover.	5.4 Regular maintenance and cleaning.	5.5 Repairs and minor alterations.	5.6 Energy efficiency audits.	
	Phase 3	1.7 Obtain planning permission.	1.8 Finalize design and specifications.	1.9 Prepare tender documents.	2.7 Finalize design and specifications.	2.8 Obtain planning permission.	2.9 Prepare tender documents.	3.7 Site preparation and clearing.	3.8 Foundation and groundworks.	3.9 Superstructure construction.	4.5 Commissioning of services.	4.6 Final inspection and handover.	5.7 Regular maintenance and cleaning.	5.8 Repairs and minor alterations.	5.9 Energy efficiency audits.	
	Phase 4	1.10 Obtain planning permission.	1.11 Finalize design and specifications.	1.12 Prepare tender documents.	2.10 Finalize design and specifications.	2.11 Obtain planning permission.	2.12 Prepare tender documents.	3.10 Site preparation and clearing.	3.11 Foundation and groundworks.	3.12 Superstructure construction.	4.7 Commissioning of services.	4.8 Final inspection and handover.	5.10 Regular maintenance and cleaning.	5.11 Repairs and minor alterations.	5.12 Energy efficiency audits.	
Project C: Infrastructure Upgrade	Phase 1	1.1 Feasibility study and initial design.	1.2 Preliminary design and planning.	1.3 Obtain planning permission.	2.1 Detailed design and specifications.	2.2 Structural design and calculations.	2.3 MEP design.	3.1 Procurement of materials and labor.	3.2 Foundation and groundworks.	3.3 Superstructure construction.	4.1 Installation of services.	4.2 Final inspection and handover.	5.1 Regular maintenance and cleaning.	5.2 Repairs and minor alterations.	5.3 Energy efficiency audits.	
	Phase 2	1.4 Obtain planning permission.	1.5 Finalize design and specifications.	1.6 Prepare tender documents.	2.4 Finalize design and specifications.	2.5 Obtain planning permission.	2.6 Prepare tender documents.	3.4 Site preparation and clearing.	3.5 Foundation and groundworks.	3.6 Superstructure construction.	4.3 Commissioning of services.	4.4 Final inspection and handover.	5.4 Regular maintenance and cleaning.	5.5 Repairs and minor alterations.	5.6 Energy efficiency audits.	
	Phase 3	1.7 Obtain planning permission.	1.8 Finalize design and specifications.	1.9 Prepare tender documents.	2.7 Finalize design and specifications.	2.8 Obtain planning permission.	2.9 Prepare tender documents.	3.7 Site preparation and clearing.	3.8 Foundation and groundworks.	3.9 Superstructure construction.	4.5 Commissioning of services.	4.6 Final inspection and handover.	5.7 Regular maintenance and cleaning.	5.8 Repairs and minor alterations.	5.9 Energy efficiency audits.	
	Phase 4	1.10 Obtain planning permission.	1.11 Finalize design and specifications.	1.12 Prepare tender documents.	2.10 Finalize design and specifications.	2.11 Obtain planning permission.	2.12 Prepare tender documents.	3.10 Site preparation and clearing.	3.11 Foundation and groundworks.	3.12 Superstructure construction.	4.7 Commissioning of services.	4.8 Final inspection and handover.	5.10 Regular maintenance and cleaning.	5.11 Repairs and minor alterations.	5.12 Energy efficiency audits.	