

6.0 Build building

Related Credits: SM-R2: Basic Construction Waste Management
RE-R1: Minimum Energy Performance

Once all the design has been completed, the process of constructing the building will start. This step covers the construction process from the potential demolition of existing structures to the completion of a new building.

During this process, it will be necessary to maintain communication between the members of the design team, contractors, and developers, to ensure that the building is built to the correct design specifications. This will be facilitated by the IDP process and the implementation strategy agreed at the beginning of the design process.

Approach

Estidama credit SM-R2 requires that 30% of the demolition and construction waste be salvaged or recycled by weight. This means the contractor needs to prepare a construction and demolition waste management plan before demolition begins. This plan is to be supported by the Building Waste Calculator that is available from the Estidama website. During construction, documents will need to be collected by a designated responsible person from the contractor who will work with the PQP to confirm the target has been achieved.

Similarly, compliance with credit RE-R1 requires that good quality materials performing according to design specifications are used and that good construction practices are followed to ensure the fabric and system performance levels modeled are actually achieved.

Credit SM-R1 requires guaranteeing that hazardous materials do not make their way into the project. There can be no asbestos or exposed wood treated with chromated copper arsenate.

useful resources:

- Environment Agency of Abu Dhabi: Technical Guidance Document: Development of Construction Environmental Management Plan (CEMP) – Onshore.
- ISO 14000: 2004 Family of Standards on Environmental management systems.
- CIBSE TM 31. Building log building toolkit.

