

# 6.1 Construction waste management

Related Credits: SM-R2: Basic Construction Waste Management

Before starting any demolition or construction, it is necessary to develop a construction and demolition (C&D) waste management plan. This should incorporate:

- 1 Estimates of waste generation. The Building Waste Calculator will help to estimate the type and amount of waste expected for the project. This can be downloaded from the Estidama website.
- 2 A destination for each waste type leaving the site. For example, specify that aggregates will be transported to the municipal C&D recycling facility, or that fit-out leftovers will be disposed to landfill.
- 3 Identification of materials to be salvaged or recycled. At least 30% of the estimated waste generation by weight has to be salvaged or recycled.
- 4 A location for storing waste on-site during construction. This should be conveniently located near the area where construction materials are delivered and has to be large enough to allow for separating at least aggregates and other waste streams.

An example of the above is shown here. These elements should be updated with information compiled during construction.



On-site waste segregation area

## Example 6.1a Schedule of items reclaimed/recycled

LANDFILLED C&D WASTE CALCULATION IN TONNES		
Landfill material description	Landfill hauler or location	Quantity of landfilled waste
General waste March 2010	Al Dhafra Landfill	15
General waste April 2010	Al Dhafra Landfill	31
General waste May 2010	Al Dhafra Landfill	70
General waste June 2010	Al Dhafra Landfill	65
Pallets April 2010	Al Dhafra Landfill	10
Pallets May 2010	Al Dhafra Landfill	5
Pallets June 2010	Al Dhafra Landfill	15

DIVERTED C&D WASTE CALCULATION IN TONNES		
Diverted/recycled material description	Diversion/recycling hauler or location	Quantity of diverted / recycled waste
Concrete from demolition March 2010	Municipal C&D plant	150
Concrete from demolition April 2010	Municipal C&D plant	200
Metal March 2010	Local metal recycler	4
Metal April 2010	Local metal recycler	3
Metal May 2010	Local metal recycler	1
Metal June 2010	Local metal recycler	1

SALVAGED C&D WASTE CALCULATION IN TONNES		
Diverted/recycled material description	Diversion/recycling hauler or location	Quantity of diverted / recycled waste
Spandrel panels from façade June 2010	Reused in new building	15

Total waste generated: 585 tonnes

Total waste landfilled: 211 tonnes (36.1%)

Total waste diverted: 374 tonnes (63.9%)

