

CHAPTER 2 - WASTE MANAGEMENT

700

702.01 CONSTRUCTION AND DEMOLITION WASTE



INTENT

Reduce extraction of raw material by diversion of construction and demolition waste from landfill through Reduce, Reuse and Recycle.

REQUIREMENT

For all new buildings except buildings in CBD area, at least 50% by volume or weight of waste material generated during the construction and/or demolition of buildings must be diverted from disposal in landfills. Diverted materials must be recycled or reused.

This shall be implemented as follows:

1. Concrete waste must be diverted to Construction Waste Treatment Plant.
2. Other recyclable materials such as woods, plastics and metals can be reused at site.
3. Excavated soil, land-clearing debris and hazardous waste must be diverted to places designated by the concerned departments of Dubai Municipality (these materials are exempt while calculating the percentages for recycling or reuse).

SIGNIFICANCE

The rapid increase in the construction and development industry has led to increased generation of construction and demolition waste. Also, as the volume of construction waste increases, so does the burden on landfill sites. Additionally, improper management of wastes may further cause soil and water pollution.

To minimise environmental damage and to conserve natural resources, construction and demolition waste must be reduced. Diverting waste from the landfill creates more opportunities to reuse the waste material for similar use or recycle the waste to new products and use of virgin construction materials also will get reduced. Reusing and recycling waste is important for the achievement of higher economic efficiency, as well as for optimum use of resources and land use management efficiency.

APPLICABILITY

This regulation is applicable to all building types except buildings in CBD areas. Refer to Table 101.07(1) in Section One - Administration for detailed applicability levels.