

# Architecture & Recycling Technologies

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## ABSTRACT

Recycling technology is a strategy of minimization of waste. It is a method of recovering waste materials into new useful valuable material otherwise it is considered waste. Recycling of waste is attractive in a region where shortage of both landfill area and raw material. It dramatically reduces energy use and carbon emissions. Recycling is important component one of the three modern waste reduction components – Reduce, Reuse and Recycle.

The prime objective of writing this paper is to reduce air pollution, water pollution, consumption of fresh raw materials and energy usage. Aim is maximum use of waste material because global warming is controlled by reduction of carbon dioxide from the atmosphere by active utilization of waste to save our natural resources to a great extent.

This paper deals with Recycling resources such as rainwater harvesting, Grey water collection and building material recycling. Example of same will be taken into account to understand these resources. Best example of building material recycling is “Plastic House” in Blue Mountains, Australia built of fully recycled P.E.T material used in different grains. Building material that can be recycled are steel, aluminum, gypsum plaster board, timber, concrete, glass, carpet, bricks and tiles, plastics. Recycling of a material would produce a fresh supply of the same material.

**Keywords:** Reduce, Reuse, and Recycle, Rain water harvesting, Grey water collection and P.E.T.