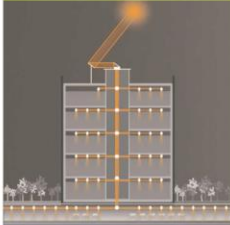


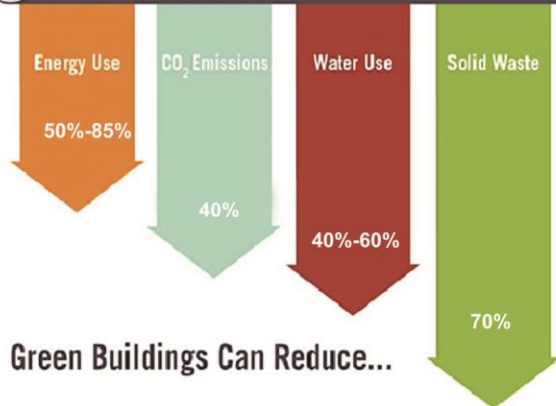
How to Construct Green Buildings



1. Use Green Materials (Recyclable)
2. Incorporate Sustainable Energy Systems (Solar Panels, Windmills) & maximising use of daylight.
3. Harnessing Rainwater & use of water saving fixtures & fittings.
4. Suitable Landscaping
5. Minimise wastage.



Green Infrastructure & Buildings



Green Buildings Can Reduce...

Green Buildings Constructed by CECB

Department of National Archives



Ongoing Projects...

Ministry of Mahaweli Development & Environment Building



Ministry of Health Building



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Green Building Technology



CENTRAL ENGINEERING CONSULTANCY BUREAU
Ministry of Mahaweli Development and Environment

What is a Green Building ?



Green buildings are structures that more efficiently use valuable resources such as materials, energy, water and land compared to buildings constructed to basic building codes.

Green buildings are better for the environment and provide healthy, comfortable, productive indoor spaces.

Benefits of Green Buildings

Environmental Benefits

- Better air quality
- Save water
- Temperature is controlled
- Reduced waste generation

Economic Benefits

- Energy and water savings
- Increased property values
- Decreased demand for power and water supply
- Improved employee attendance
- Increased employee productivity
- Sales improvements
- Development of local talents in building construction

Social Benefits

- Improved health
- Healthier lifestyles and recreation

Features of a Green Building

ECOFRIENDLY CONSTRUCTION

● WATER EFFICIENCY:

Cisterns collect rainwater to use for landscaping irrigation. Low-flow, waterless or composting toilets helps reduce water use.

● ALTERNATIVE ENERGY:

Roof-mounted wind turbines and solar panels reduce need for outside energy sources.

● GREEN ROOFS:

A thin layer of plants and soil on rooftops provides insulation, reduces stormwater runoff, absorbs carbon dioxide and creates oxygen.

● WINDOWS

Windows and skylights provide natural lighting and heat. Glazed or double-paned windows provide insulation.

● VENTILATION:

Vents and operable windows assist in heating and cooling by circulating air better.

● BUILDING MATERIALS:

Recycled Building Materials reduce waste. Building with certified timber helps protect forests and using non-toxic paints and carpets creates a healthier interior space.

