

# AFFORDABLE SUSTAINABILITY

## 10 Ways to go green in construction

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Key points developers should keep in mind for attaining green certification.



### 1 Building envelope materials:



Use AAC/concrete blocks with fly-ash content to reduce heat load inside a building.

### 2 Water use reduction:

Use low-flow plumbing fixtures to reduce water wastage. Install sewage treatment plant for recycling of water.



### 3 Waste management:



Segregate recyclables (dry waste) into 5 diff. categories viz. Plastics, Paper, Cardboards, Electronics & Metals and divert them to authorized recyclers. Install organic waste converters within your premises for handling wet waste such as leftover food and plant clippings from garden.

### 4 Energy efficiency:

Install BEE 5-star rated light fixtures, LEDs and electrical devices such as pumps, motors and water heaters.



### 5 Rain water harvesting:



You can either recharge the ground by installing percolation pits or store the rain water in tanks for flushing and cleaning purposes.

### 6 Alternate energy usage:

By installing small solar or wind power systems, you can take care of smaller electrical loads and water heating.



### 7 Building design:



The emphasis should be on using maximum day lighting but taking care of glare. As per the climatic condition, one can design natural ventilation wherever applicable.

### 8 Green house gas reduction:

Source all building materials locally to minimise transportation.



### 9 Reduction of heat island effect:



One can apply high albedo paint or China Mosaic on the roof to reflect back the heat. Use Open Grid paver blocks instead of full concrete paver blocks.

### 10 Erosion & sedimentation control:

Install pits to arrest soil particles/ sediments.



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