

An Overview of Heating and Cooling Techniques Used in Green Buildings

Authors : Umesh Kumar Soni, Suresh Kumar Soni, S. R. Awasthi

Abstract : Worldwide biggest difficulties are climate change, future availability of fossil fuels, and economical feasibility of renewable energy. They force us to use to a greater extent renewable energy and develop suitable hybrid renewable systems. Building heating/cooling consumes significant amount of energy. It can be conserved by use of proper heating/cooling techniques. This paper reviews and critically analyzes various active, passive and hybrid heating/cooling techniques used in green buildings.

Keywords : natural ventilation, energy conservation, hybrid ventilation techniques, climate change

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