Winter Thermal Improvement of a Traditional House in Nepal

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Abstract

The purpose of this study was to measure the energy consumption and thermal performance of a traditional house in Nepal. The house was selected because it is representative of many traditional houses in Nepal. The house is located in a rural area, and the residents depend heavily on wood for cooking and heating.

The results of the study showed that the house had a high energy consumption and poor thermal performance. The main reason for this was the lack of insulation and the use of wood for heating.

The study also showed that the house had a high indoor air pollution level, which is a serious health concern for the residents.

The study recommended several improvements to the house, including the addition of insulation and the use of a more efficient heating system.

Key words: Nepal, traditional house, energy consumption, thermal performance, indoor air pollution.

References


