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Title: Performance assessment of a passive solar building for thermal comfort and energy saving in a hilly terrain of India

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Highlights

- Performance of a passive solar building in western Himalayan region of India is assessed.
- Impact of passive solar features on energy savings is studied using e-Quest simulation.
- Thermal comfort conditions in the building are analysed as per ASHRAE Standard 55 protocols.
- Passive solar design features in the building leads to saving of conventional energy use.

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