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Space Heating for Kashmir Valley: Issues, Challenges and Remedies

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Abstract

In winters especially in Kashmir, the power cut is frequent and the quality of power is very poor, i.e., low voltage, so for to survive the harsh winter, the people here adopt traditional heating system like bukharis, angithi and hamams and gas bukharis. No doubt they protect them from harsh winter but they are associated with lots of disadvantages. These traditional heating arrangements produce toxic gases which produce hazardous effect on our health. In this regard, we have developed a prototype system which eliminates these toxic gases from rooms, when their concentration rises drastically. This paper also discusses the feasibility of using passive ground source heating system (GSHS), which is an alternate environment-friendly and safe solution.

Keywords

Passive space heating Ground source heat system Ground heat exchanger

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Notes

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