

# **Reclassification of climate zones for Indian Cities**

by

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## **Reclassification of climate zones for Indian Cities**

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The development of building codes for energy efficiency depends on climate zones. Indian climate classification prescribes five climate zones in India. India has diversity in climates from severe cold to extremely hot conditions and the Indian climate classification does not consider fluctuation of outdoor conditions and its effect on indoor comfort conditions. Therefore, it is imperative to revisit the climate classification for Indian cities using other broader classification methods used globally. This study introduces available international climate classification, a comparison with current Indian climate classification, the relevance of ASHRAE climate classification, and establishing a new classification for Indian cities based on ASHRAE climate classification. The ASHRAE classification divides Indian climate into 7 climate zones.

This updated climate classification may improve the accuracy of the energy conservation codes and building design.

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