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A Review on Effect of Geometrical, Flow and Soil Properties on the Performance of Earth Air Tunnel Heat Exchanger

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Highlights

- The Earth air tunnel heat exchanger system is capable to provide sufficient heating and cooling in buildings with significant energy savings.
- The knowledge of thermo-physical properties of soil is crucial for the design of an EATHE system.
- In multiple pipe system, the distance between the pipes should be reduced gradually along the length of pipe.
- Too deeper excavation of soil does not result in any appreciable change in soil temperature.
- EATHE should be used during daytime in summer and during night time in winter season.

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