

Method optimization for separation and analysis of gases evolved from Hot-Water Springs

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Geothermal energy- Natural heat of the earth

One of the potential alternative energy sources -*clean and sustainable*

Resources- hot spring systems, hot rocks and molten rocks.

- ❖ India has huge potential to become a leading contributor in generating eco-friendly and cost effective geothermal power.
- ❖ Tattapani- a promising geothermal resource (Hot springs) – Chhattisgarh
- ❖ ACD received gaseous samples for analysis – Gas Chromatography
- ❖ Method optimized for separation of Ar with O₂ and He with H₂ gas
- ❖ Analysis indicated the presence of He, H₂, Ar, O₂, N₂, C₂H₆, CH₄ and C₃H₈