

# GREEN ENERGY

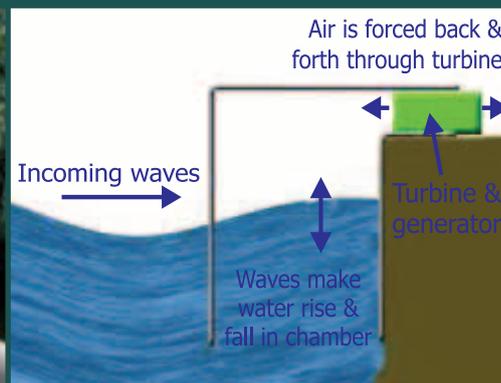
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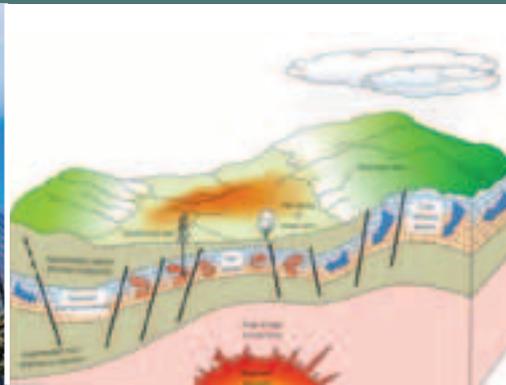


The Renewable Energy in India is a sector that is still underdeveloped. India was the first country in the world to set up a ministry of non-conventional energy resources, in early 1980s. However its success has been very spotty. India has been lagging far behind other nations in the use of Renewable Energy.

The development of wind power in India began in the 1990s, and has significantly increased in the last few years.

Although a relative newcomer to the wind industry compared with Denmark or the US, domestic policy support for wind power has led India to become the country with the fifth largest installed wind power capacity in the world.





We are far behind in harnessing the Solar, Geothermal and Wave Energy, which have an immense potential in our country. Keeping the potential in mind, some large projects for harnessing Solar Energy have been proposed, and 35,000 km<sup>2</sup> area of the Thar Desert has been set aside for Solar Power Projects, sufficient to generate 700 to 2,100 GW.

Geothermal energy, recovered from the earth's interior, which is clean and sustainable method of power generation, is still in its infancy. Using modern scientific and engineering techniques geothermal systems can be sustained commercially for decades.

Many large, modern buildings require not only space-heating, but also cooling. If the heating and cooling demands are of similar order of magnitude, it is possible to store the "waste" heat from summer cooling in the ground, and to re-extract it for heating in the winter by UTES technology.

India has a huge costal line and Wave Energy can be one of the biggest sources of green energy in times to come. We through our overseas principals, who have decades of experience of developing and harnessing green energy, offer comprehensive design, consulting and exploration services which can take a project from concept to completion.

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