

**1. WRITE A BRIEF ACCOUNT OF GEOTHERMAL ENERGY.****Answer:**

Heat energy is obtained from the earth is called geothermal energy. The temperature in the interior of the earth rises steadily as we go deeper. Some times this heat energy may surface itself in the form of hot springs. This heat energy can be sued to generate powers.

Geothermal energy in the form of hot springs has been used for cooking, heating and bathing for years. USA has the world's largest geothermal power plants followed by New Zealand, Iceland, Phillipines and Central America. In India geothermal plants are located in Manikaran in Himachal Pradesh, Puga Valley in Ladakh, Surajkund in Jharkhand. Chhumathang in Jammu & Kashmir and Cambay Graben in Gujarat.

The estimated potential for geothermal energy in India is about 10000 MW. There are seven geothermal provinces in India : the Himalayas, Sohana, West coast, Cambay, Son-Narmada-Tapi (SONATA), Godavari, and Mahanadi.



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