

## **Geothermal Power Plant**

A geothermal power plant uses its geothermal activity to generate power. This type of natural energy production is extremely environmentally friendly and used in many geothermal hot spots around the globe.

### **Working:**

To harness the energy, deep holes are drilled into the earth (much like when drilling for oil) until a significant geothermal hot spot is found. When the heat source has been discovered, a pipe is attached deep down inside the hole which allows hot steam from deep within the earth's crust to rise up to the surface. The pressurized steam is then channeled into a turbine which begins to turn under the large force of the steam. This turbine is linked to the generator and so the generator also begins to turn, generating electricity. We then pump cold water down a new pipe which is heated by the earth and then sent back up the first pipe to repeat the process.

### **Types of Geo Thermal Power Plants:**

There are four commercial types of geothermal power plants:

1. Flash power plants
2. Dry steam power plants
3. Binary power plants
4. Flash/binary combined power plants.