

Lecture No-38

Fuel Chemistry

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## Conventional and Non-Conventional Sources of Energy

### What are Conventional Sources of Energy?

These sources of energy are also known as **non-renewable sources of energy** and are available in limited quantity apart from hydro-electric power. Further, it can be classified under commercial and non-commercial energy.

### Commercial Energy Sources

Coal, electricity and petroleum are known as commercial energy since the consumer needs to pay its price to buy them.

#### a) Coal

Coal is the most important source of energy. There are more than 148790 coal deposits in India. Between 2005-2006, the annual production went up to 343 million tons. India is the fourth-largest coal-producing country and the deposits are mostly found in Bihar, Orissa, Madhya Pradesh and Bengal.

#### b) Oil and Natural Gas:

Today oil is considered to be the liquid gold and one of the crucial sources of energy in India and the world. Oil is mostly used in planes, automobiles, trains and ships. It is mainly found in Assam, Gujarat and Mumbai.

The total production of oil in India was 0.3 million tons in 1950-51, which increased up to 32.4 million tons in 2000-01.