

Chapter 6

COMBUSTION AND FLAME

Ideal fuel:

Ideal fuel is that which is available readily, cheap in cost, burns with moderate rate, produces large amount of heat and also does not leave any unwanted substances behind.

None of the fuels available can be considered as ideal fuels. So we should see for the fuels which fulfills most of the requirements of ideal fuel.

Calorific Value:

The amount of heat energy released on complete combustion of 1 kilogram of fuel is called as Calorific Value.

- Calorific value is expressed in the units KJ/Kg.
- Fuel with more calorific value is best fuel.