

CHAPTER 1

INTRODUCTION

As the title only says this is a project or concept of saving the fuel. Now a days the cost of a fuels like a petrol, diesel, L.P.G, Kerosene are increasing day by day. So that these all conditions are directly affecting on common man. By seeing this we prepared a concept to reduce the cost of product by using alternate fuel rather than L.P.G, petrol, diesel. So if we take our project it saves the fuel then automatically it will be economical. In our system we are using boiler, it is an indirect heating method. It is just like a fire tube boiler. Normally the boilers are operates on steam, the working medium used in those boilers are water or steam, and they comes under IBR act (Indian Boiler Registration Act) because of the high pressure and they are explosive. But in this model working fluid named as thermic fluid as a working medium. It does not falls under IBR act because there is low pressure, because the explosion of this boiler is very low (negligible) comparing to the steam the expansion of this oil is only 5%. So it is non explosive.

This concept is mainly prepared for the Hostels, Hotels and Messes etc for preparing the food.