

Solar heated thermo electric generator

Final project report



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Abstract

There are two main sources for the generation of electricity. It includes fossil fuels and renewable energy resources. Fossil fuels are commonly used for 67 % generation of electricity according to Energy Information administration report 2012. Fossil fuels have limits, they are not good for the environment, and will deplete one day. We have to look for some other ways to generate electricity. Renewable energy resources are widely available.

Thermoelectric generators are electrical devices which convert the heat difference straight into electricity. TEG is kept hotter from one side and other side is on low temperature. The result is electrical output.

This project aims to study this material in details to generate electricity from this latest technology. This project is cheaper and efficiently as compared to other renewable forms of energy.

CHAPTER-1

INTRODUCTION

There are various ways to generate electricity. Usually the power is generated at power plants through which this is transmitted to consumers for use. We have 2 major sources to generate electricity. They are

1. Fossil Fuels
2. Renewable energy resources