



Producing Cheap Electricity 82. B. Mkapa

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Introduction:

AIM OF THE PROJECT:

The aim of the project is to produce cheap electricity using the mentioned equipments.

APPARATUS USED:

An Alternator, Motor, Transistors, Diode, Capacitor, Connecting wires, Step-up transformer, Battery, Gun, Solder wire, Fan, Power control, Electrical appliances(TV, Radio, Tube light, Bulb),Circuit breaker, Stabilizer, Switch etc.

Materials:

The apparatus will be arranged as shown in the figure below;

The Positive terminal and Negative terminal from a battery will be connected by wires from a D.C to an A.C converter and motor will be connected to the inverter output and it will be used to bring the force for rotating the alternator, the D.C output of the alternator will be connected to the main power control system which will be controlling the charges entering to the battery and the output of the inverter will be connected to a stabilizer so as to control the power and its uses.

EXPERIMENT:

When a starter will be switched on, the whole system will start to operate whereby a battery will start a motor, a motor will pull an alternator and an alternator will generate 12V which will be connected to a rectifier for converting 12V A.C to 12V D.C which will be used for charging the battery and the circulation will come to a step-up transformer whereby 250V will be produced as an output to be used as the required product which will be taken from the transformer by two wires connected to a circuit breaker purposely for breaking the flow of current if exceeds the required constant voltage. The two wires from the battery will be used again as a source of the main power; that means while the power is given out some of the power will be used to recharge a battery, hence the battery will never become low meaning that it will always produce electricity.

Conclusions:

Electricity is very important in our daily life, you can use for cooking, you can use on TV, on Radios, for light using Tube light and Bulbs, on Ironing clothes, can be used for refrigeration and so many other uses. -We expect the project to be useful because the amount of voltage to be produced can be modified to produce higher voltages according to the requirements of the users. He/she will be needed to find the equipments for production of electricity according to needs.

-This system of producing electricity will be very good and affordable by all classes of people even those of lower level class who are not able to be connected to purchase the National Grid of electricity under Tanzania Electric Supply Company Limited (TANESCO).

-It will be produced in a cheap way compared to other types of electricity, it will not use fuel in operating system, it will not pollute our environments.

RECOMMENDATIONS:

Now days in Tanzania we are facing great problems on having fluent electricity. As you can see that our project will manage to produce 250Voltages of electricity which is a normal consumptions of electricity in domestic use, we will recommend everybody and advice our government to advice Tanzanians to have this kind of set of electricity production which will solve this great problem of lack of electricity for normal use in our daily life. Everyone will manage to have this kind of electricity because it will be very cheap to produce, uses available equipments and apparatus at any electricity apparatus shops (Hard ware).

Hence our dear Tanzanians we are advising to you to have this kind of electricity because it will be very cheap to have this compared to any type of electricity present in our country.

Further information:

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