

Animal's Conducted Biotic Turbine

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Abstract: *The development is the natural tendency of the man leading towards the inventions and Innovations. Due to this tendency the man could become modern man from early & nomadic man. As the modernization is going on, the various new challenges are approaching on towards the modernizing man like the challenges of sustainable development, green energy security including environmental issues, health problems, etc. All these new challenges are going to be major obstacles before the advancements of the man. In such circumstances some further such kind of inventions & Innovations are required which can minimize the approaching new challenges before the advancements. Therefore the invention of the "ANIMAL'S CONDUCTED TURBINE" (titled above) will be very much helpful for the very rapidly developing man & all the issues like sustainable development, green energy security, environmental issues and healthy foods etc. will be resolved easily.*

Keywords: Early & nomadic life, sustainable development, green energy security

1. Introduction

The modern man is going to become fully technical man. Now age of the science is going to become fully automatic age but along with this advancement some major challenges are also approaching very rapidly like sustainable development, green energy security, environmental issues and healthy foods, global warming, carbon emissions, etc. are major barrier before the technological advancements including the industrialization and automotives, etc.

Over population, unemployment, and all kinds of the advancements are getting whole the world towards trouble. U.N. is struggling to achieve the goals of the sustainable development since the parameters decided by the UN like Agenda - 21 [Rio+20] are focusing on the sustainable development but such kind of parameters are requiring a lot of money and also further more technical Innovations. Therefore this invention of the "ANIMAL'S CONDUCTED TURBINE" will be very much useful and helpful for the solutions of the above problems.

Statements of the Problems hypothesis

Energy never destroys. It changes it's forms only. (Albert Einstein) likewise the biotic energy (i.e. the Energy of Animal's and living beings can also be converted into electric energy. (by P. Kumar)*. Presently a no of energy resources are available before us but the problem is that major no of energy resources are harmful for the nature and it's environment like coal, petroleum's, gas also Atomic energy is a very risky resources of energy. The distribution of all these resources of energy is also varying globally affecting transportive economical issues.

Aims and Objectives

With the help of the above hypothesis it can be assumed that, "THE BIOTIC ENERGY CAN BE CONVERTED INTO ELECTRIC ENERGY (P. KUMAR)"

To develop such device/turbine the inventor (P. KUMAR) decided to use Animal's energy as biotic energy to produce electricity.

The inventor (P. KUMAR) also focused on the problems of the energy crises so with the help of this device the energy crises can easily be reduced upto the lowest level.

The inventor also focused on the environmental problems due to the utilization of the previously known energy resources as a no of polluting agents are released by the previously known energy resources and harming to the environment critically like the burning of the fuel hydrocarbons.

When this energy resource will be used at major levels there will be no emission of any polluting agents. So the problems of the environmental pollution will be resolved easily.

Increase in the Animal's utility will enhance the tendency of the Animal's protection by the man.

Likewise the news system of the Animal's management will be developed.

Therefore the modernizing man will come closer to the nature. As the Animals will survive on the earth along with the man therefore this resource of the energy will be long lasting for the man.

Over all this invention is going to establish perfect harmony between the modernizing man & the nature. The man will go much closer to the nature through this invention.

The new Animal's management system will enhance the dairy production, organic agriculture etc.

The production of the green electricity, will enhance the green Industrialization, green automation, healthy food production, enrich employment, and also help to achieve the maximum no of the SDGs goals determined by the UN (United Nations)

Keywords: P. Kumar: Pankaj Kumar (The Inventor of the Device), Green Industrialization: The Industries Will Move With The Green Energy

Volume 11 Issue 6, June 2022

www.ijsr.net

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Green Automation: Approximately all the automotive will be run with the green energy

2. Review of the Literature

- 1) The term "energy" was very first used by Sir "THOMAS YOUNG" (1800AD)
- 2) "Biotic Energy is a vital force" It was very first theorized by the biochemist "BENZAMIN MOORE"
- 3) Since Neolithic (neo stone) age the biotic Energy i.e. The energy of the Animal's is being used by the man Like Bullock cart, ploughing, riding (Horses, camels, elephants), carriers (horses, camels, elephants, donkeys and asses), bull crusher(cane crusher), oil crusher (plodder).
- 4) Sir Albert Einstein proved that energy can be converted into mass and vice versa. He also produced the equation establishing a relationship between the mass and the energy i.e. $E=MC^2$

Such type of researches proved that the energy can be converted into any other forms.

Keywords: Biotic: concerning living beings, Neolithic: neo stone age concerning the early man

3. Research Methodology

3.1 The abbreviations of the Para 4 (review and lit.)

Facilitated the path for new hypothesis that, "Biotic Energy can be converted into electric energy (P. KUMAR/the inventor of the device)"

I- Biotic Energy >>>>Electric Energy (P. Kumar)

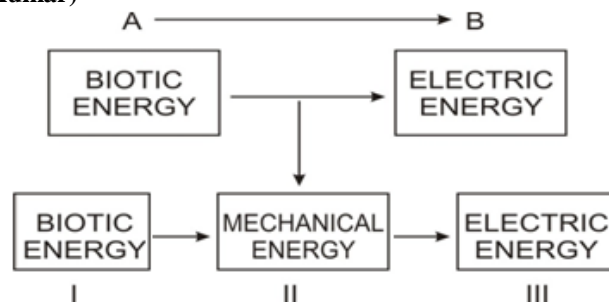
According to the above equation to establish a relation between the biotic Energy and the electric energy the inventor (P. KUMAR) decided to introduce an intermediate sub system in addition to this the Inventor (P. KUMAR) introduced the term mechanical energy.

Now it was possible to establish practical relationships between biotic Energy and the electric energy.

II- Biotic Energy >>>Mechanical Energy >>>Electric Energy

On following the above equation the inventor (P. KUMAR) could establish a new system in which the biotic Energy i.e. the energy of the Animals was used to generate electricity.

Biotic energy can be converted into electric energy (P. Kumar)



3.2 The Structure of the Device (Animal's Conducted Turbine)

Whole the device is divided into three main segments:

- a) Liver System
- b) Gear System
- c) Turbine System

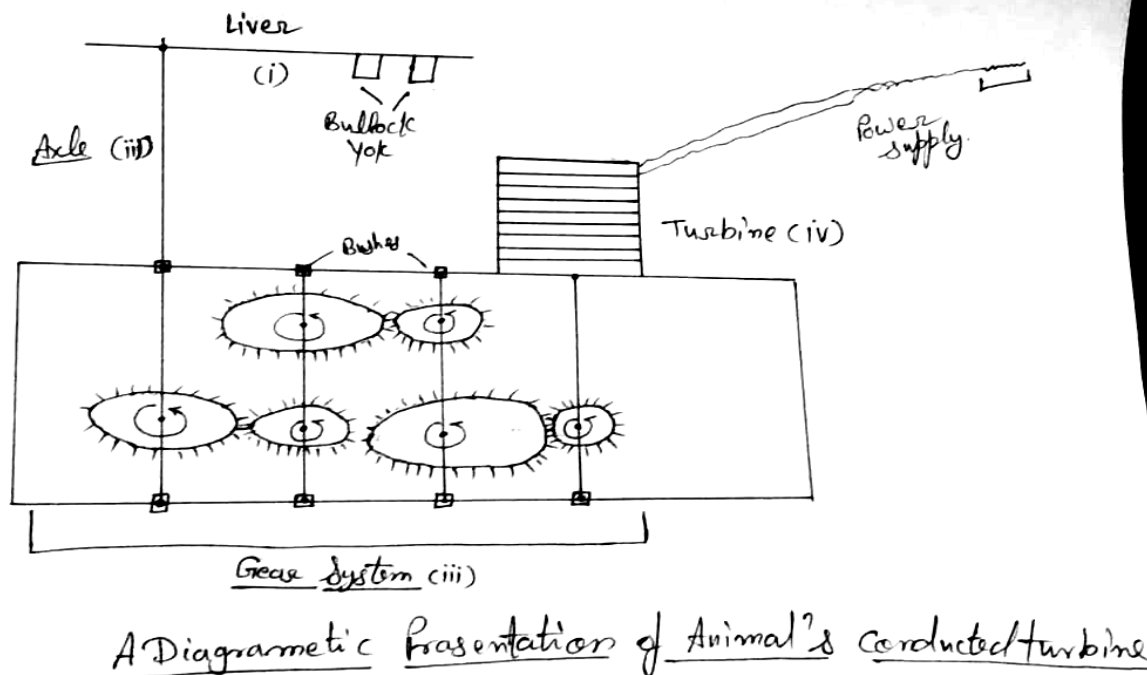


Figure 1

a) Liver System

Liver system is a long rod its one end is attached with such fittings that Animals can be easily attached with the device

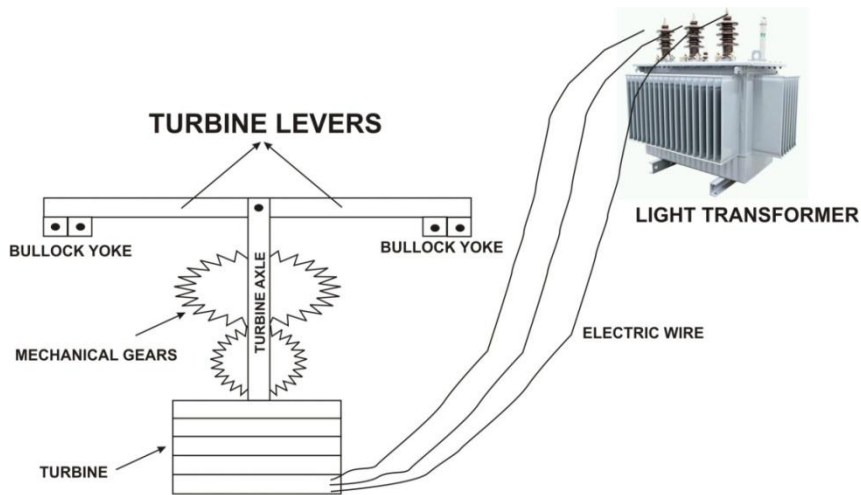
this attachment is known as the bullock yoke and the other end is fitted with an axle. The axle is connecting liver system with the gear system.

b) Gear System

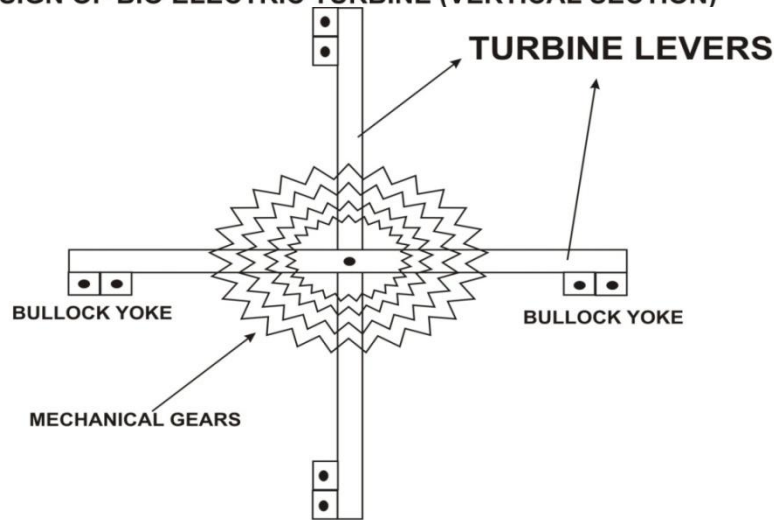
A gear system is an assembly of small & big gears. It's main work is to maintain the rpm speed required for the turbine

c) Turbine System

The turbine system is a turbine or electricity generator to produce the electricity.



DESIGN OF BIO ELECTRIC TURBINE (VERTICAL SECTION)



DESIGN OF BIO ELECTRIC TURBINE (HORIZONTAL SECTION)

Figure 2 & 3

3.3 The working of the device

In the above assembly the Animals like bullock, bison, horses, donkeys, assess, camels & elephants can be attached with the liver system of the turbine through the bullock yoke.

When animals rotate around the gear axle along with long liver then axle rotates gear system.

During the rotation of the axle gear system maintains the speed of the turbine. Now with the sufficient speed the turbine/electric motor generates the electricity.

3.4 The salient features of the device

The device is conducted by the Animals hence the resource of the energy will never destroy.

The device is generating electricity which is 100% green electricity with zero carbon emissions providing the solutions for the environmental problems.

The device can be established from mega to micro levels. Hence the utility can be widely distributed.

The device will facilitate the opportunities for the development of the remote & not reachable areas with the sufficient supply of the energy.

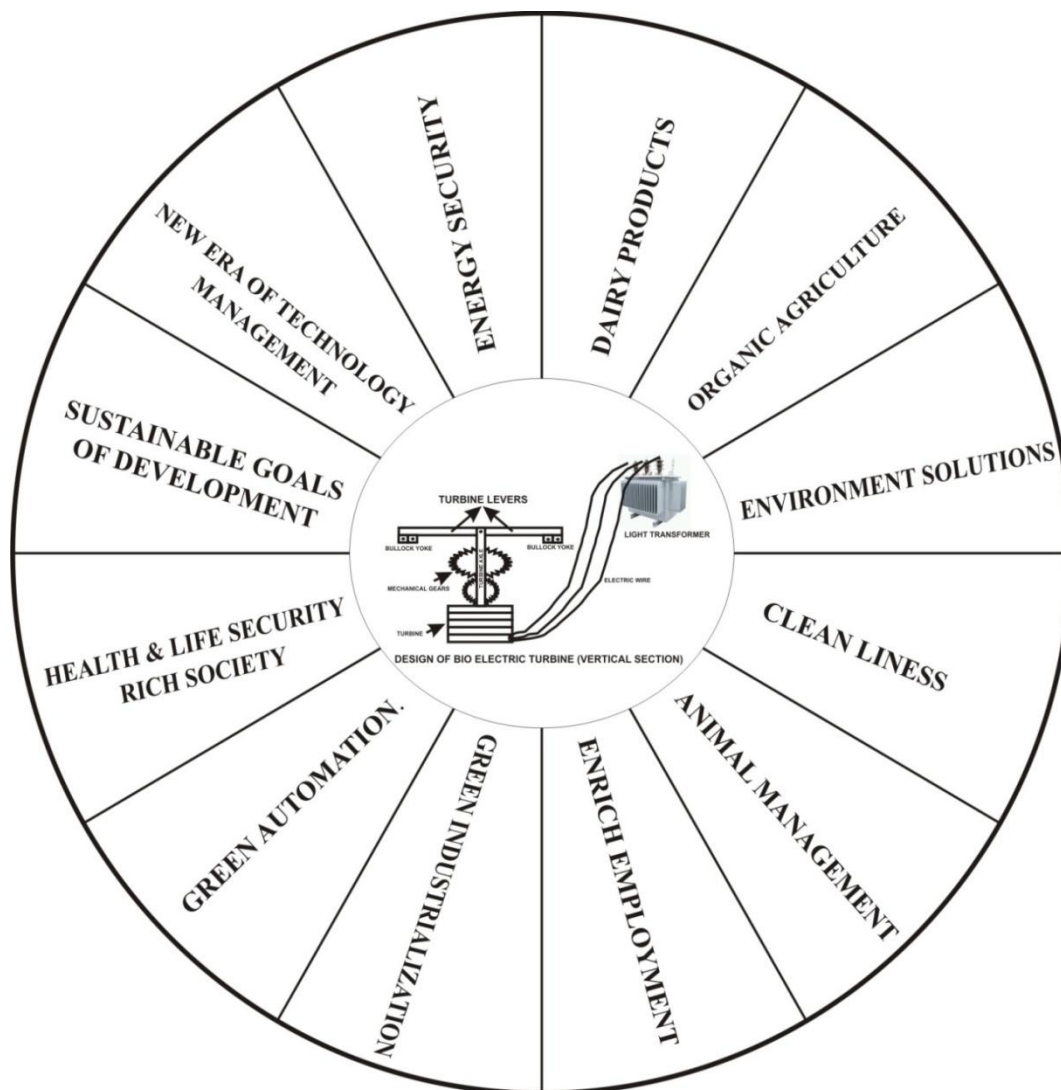


Figure 4: "Multiple Use of Biotic Turbine"

- 1) Energy Security: Non-ending Spontaneous Green Energy.
- 2) Dairy Products: Cattle management will enhance dairy production
- 3) Organic Agriculture: The Composition of cattle garbage will enhance organic agriculture.
- 4) Environment solutions: Green Energy production, green automation & green industrialization will naturally clean the atmosphere.
- 5) Cleanliness: Along with cattle managements & organic agriculture. The house hold garbage can also be included for composition will automatically achieve the goals of Swachh Bharat Mission.
- 6) Animal Management: The project will establish a good harmony between the man & the animals that will be eternal & most balanced in the nature.
- 7) Enrich employment: the project will consume a very large mass of population & enrich man employment.
- 8) Green industrialization: enrichment of electricity will enrich electromotive industries with zero emission of carbon.
- 9) Green automation: enrichment of electricity will enrich electro automotives.
- 10) Health & life security rich society: green energy security will enrich clean environment & healthy food security through enriched organic agriculture will establish health & life security rich society.
- 11) New era of technology management: the project will open doors for a new era of technology management.
- 12) Sustainable Goals of Development: THROUGH THIS PROJECT ALL THE "SDGs" Sustainable Development Goals determined by U.N. will be obtained certainly & sharply.

4. Result

According to Para 5.1 & 5.2 inventor P. KUMAR developed a model fig. (1) Which is working properly. Hence the invention is successful.

On rotating gear axle with the help of the liver system the gear system is proving sufficient speed to the turbine and the turbine is producing electricity.

In the model simplified liver system is used attached with handle rod insisted of the bullock yoke. But in the prototype handle rod will be removed by bullock yokes.

Both types of the electricity like ac and dc can be produced with the device. Its wide utility will tend towards wide range of the models i.e. From micro to mega.

5. Observations

According to the above abbreviations (from the point 5.1 to 5.4) the turbine is producing 100% green electricity successfully. (Fig 5,6,7 & 8)

5.1 The abroad use of the device

The invention is able to full fill all the increasing requirements of the 100% green electricity providing the path of the 100% green energy.

The invention is able to establish perfect harmony between the modernizing man and the nature.

Thus the man will become animals loving and the nature loving.

The device utility at abroad levels will balance rural & urban development's equally.

The device utility is eco friendly thus will help to achieve the maximum of the SDGs established by the UN like clean Environment, the problems of the global warming, sustainable green energy crises, organic agriculture and healthy foods, the problems of the employments and poverty, Enriched dairy production, green automation and green industrialization etc.



Figure 5



Figure 6: Practical Review of Animal's Conducted Turbine



Figure 7

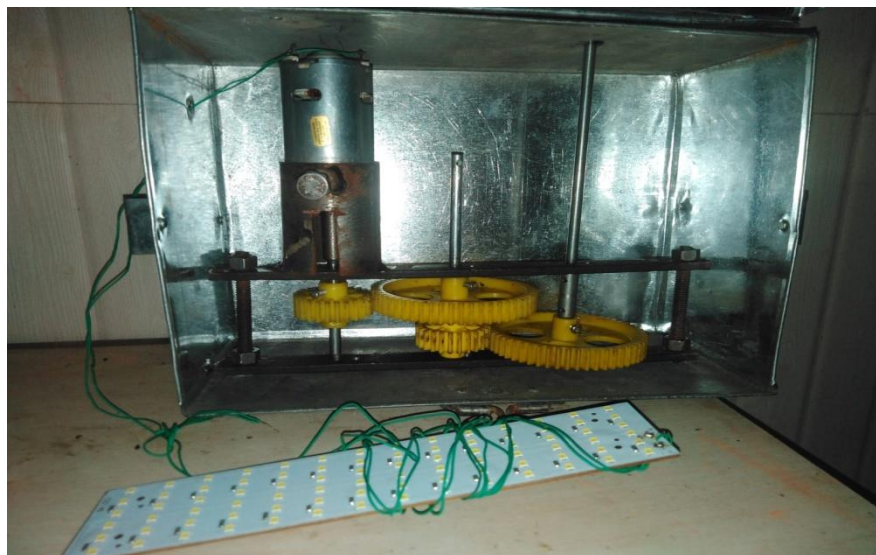


Figure 8: Actual view of the model of the Animal's Conducted Turbine

References

- [1] United nations conference on sustainable development goals Rio+20 [Agenda-21 U.N.C.E.D. 1992]
- [2] BIOTIC ENERGY, a vital force theorized by the biochemist Benzamin Moore.
- [3] III - Energy cannot be created or destroyed, it can only be transformed from one to another form. Julius Robert von Magor; James Prescott Joule & Hermann Ludwig Ferdinand von Helmholtz. [Between 1842 to 1847]
- [4] $E=MC^2$ SIR Elbert Einstein