

DATE: _____

DAY: _____

RENEWABLE ENERGY IS AN EXPENSIVE HOAX

OUTLINES

I- INTRODUCTION

II- RENEWABLE ENERGY AS EXPENSIVE HOAX (Thesis)

1- Heavy Initial Cost of Renewable Energy Projects

a- Higher Initial Apparatus and Installation cost

2- Apparatus made for one Time use

a- Solar plates as non-repairable

3- High Mining cost and Renewable Energy as Expensive Hoax

a- Mining ^{and} purification as expensive processes

4- Economic Exploitation of Labour

makes Renewable Energy as Expensive Hoax

a- Low wages and child labour

b- Case Report by Al Jazeera regarding
Sudan and Somalian Mining Sites

5- Environmental Cost of Renewable Energy makes it an Expensive Idea

- a- Mining produce more pollution than fossil fuels
- b- Water pollution associated with Renewable Industry energies.

6- Diseases in Human due to Industrial Procedure make Renewable Energy as Hoax

- a- Increasing Cancer cases in proximity of Mining sites
- b- Case Reports by Nature and Gene

III- Renewable Energy as Reality (Antithesis)

1- Overall Environmental Impacts

- a- No direct Environmental Hazards (~~and effects~~)
- b- Rebuttal : ~~Production~~ production of Accessories cost more pollution

2- Heavy Initial Cost is worthy to avoid Environmental degradation

- a- End Justify Means
- b- Rebuttal

THE ESSAY

The second half of the 20th century witnessed a widespread environmental research and increased awareness related to environmental protection. Efforts were made to mitigate the harmful impacts of fossil fuels and idea of clean energy was advocated. This ^{research} ↑ ignited a widespread fear in millions of people and their concerns associated with fossil fuels consumption and its impact on human health provided a space for industrialists to manipulate the sentiments for their profit. Fear was used as a tool by capitalists to enhance the renewable energy industry. This fear not only impacted the individuals but also the governments and international institutions. Due to widespread demand, subsidies and international campaigns, the industries associated with clean energy flourished. Solar energy associated industry became ~~to~~ top most profitable industry in developed and developing states. But the progress of renewable energy related industry is

DATE: _____

4

DAY: _____

due to illusion created by propaganda. Though renewable energy is associated with no or meagre environmental impacts, the devil lies in the details. Research based evidence suggests that renewable energy has as environmental impacts as the fossil fuels. The renewable energy is also associated with environmental hazards, high economic costs, labour exploitation and various chronic disorders making it an ^{expensive} hoax.

To begin with, one major issue with renewable energy resources is initial cost associated with renewable energy products. Expensive initial cost make the cleaner energy products unsuitable or uneconomic for middle class. Firstly, the price of renewable energy apparatus is very high. For example, the initial cost of solar plates and inverter for 5 marla house is 800,000 average, as reported by a special report by Dawn in 2024. Similarly, the prices for hydal fans and ^{wind mill} fans are also high. Secondly, the instalment cost including the safer delivery and labour

DATE: _____

5

DAY: _____

cost adds salt to the injury. Likewise, the initial installment cost of hydro and wind powers is also high, which makes renewable energy as an expensive hoax.

Like the initial cost, most of the renewable energy material is made to be used once and hence cannot be repaired. For example, solar plates, if once damaged, can no longer be used. According to the Chinese Economic Forum, increasing demand in solar plates ~~is~~ not only due to new users but ~~also~~ is due to existing users who suffered damage due to some causes. Same is the case of other solar apparatus like invertors. Similarly, hydro power projects materials and those used for windmills are also made for one time use. Even if some of these accessories are repairable, ~~they~~ they require highly technical and trained staffs, the availability of which is another problem. In the same way, the ^{high} expenses of these staff also make the renewable energy projects as an expensive hoax.

DATE: _____

(6)

DAY: _____

In the same way, the ~~sub~~ renewable energy resources also use metals which are extracted from the earth through an expensive process. Machinery for such extraction is also made from certain metals which are obtained through mining as well. The labour, technical staff, procedural cost and machinery makes the process of extraction of metals as an expensive one. Once extracted, metals are subjected to refining and purification, which is also an expensive process. Thus the procedural expenses involved in mining of metals, their purification and refining and ~~is~~ industrial expenses lead to higher market prices of final products of renewable energy. This leads to ultimate increase in prices of these projects making it an expensive hoax.

In the same way, economic exploitation by capitalists in renewable energy industries also make these projects as a hoax. Firstly, the rare earth metals are extracted from the earth in form of ores.

DATE: _____

(7)

DAY: _____

These ores are then subjected to purification process. The extraction and purification both requires ~~to~~ human labour. The human labour is obtained from nearby cities or villages where these ^{mining} sites are located. Most of the earth metals necessary for renewable project are extracted from African states. Somalia and Sudan are such two states from where maximum extraction of cobalt and other minerals are extracted in heavy numbers. According to reports, the labour in these African states is underpaid. Similarly, the falony of child labour is also committed in these states. Even western media has highlighted this issue. According to a report published by Al-jazeera in January 2025, "All the foreign companies associated with metal extraction were not paying a reasonable amount to labour involved. The research also warned that child labour was also done by these international forums. All these evidence suggests that these renewable energy projects

are just illusions for benefits of industrialists.

Similarly, the environmental impacts of renewable energy projects are far more than conventional fossil fuels. Air pollution is a common phenomenon due extraction of fossil fuels and mining involved in renewable energy projects. Likewise, if purification of petroleum and coal is associated with environmental hazards, the purification of rare earth metals from their ores also leads to air pollution and environmental degradation. According to research, so called energy projects ~~at~~ causes more pollution than fossil fuels. Mining, purification, ~~of~~ and industrial procedures involved in making solar plates involves 45% more air pollution than extraction, purification and burning of ~~a~~ natural gas, as reported by Nature - a reliable science Journal. Similarly, the overall processing of solar and windmill causes more water pollution than the overall processing of coal. Likewise, extraction of metals and deforestation for industrialization also leads environmental degradation. All

DATE: _____

9

DAY: _____

These evidence suggests that renewable energy sources are just illusion and hoax.

In the same way, the renewable energy resources also leads to various human diseases. According to a study by Friends for Life, "an increase in throat cancer was observed in Somalia in towns near cobalt extraction.

Likewise, another report by Gene, a well known Biological research Journal, South Sudan has more than 82% lung cancer cases than rest of the state. South Sudan has most minning sites in whole state. The research attributed this surge in cancer cases to minning activities of earth metals, majority of which is used in renewable energy resources. These case studios show that renewable energy resources are only illusionary and has as many impacts on human health as non renewable energy resources yet they cost more than conventional fuels, which make it more expensive hoax.

DATE: _____

(16)

DAY: _____

There is another school of thought that views that renewable energy products are beneficial and have real environmental impacts in a positive way. One argument provided by this school of thought that overall impacts of clean energy are far better than use of fossil fuels and hence prevent environmental degradation. For example, According to UNEP, the world started to heal during Covid-19. This was because the industries consuming fossil fuels were shut. This shows that fossil fuels are major cause of environmental degradation. But this argument is refuted on grounds that production of renewable energy is also associated with pollution. Not only renewable energy project but also the accessories used in these project are source of pollution at procedural level. If fossil fuel industries were shut down in covid, the mining process and industrial production of renewable energy was also limited. This shows that suspension of fossil fuel based industry was not only cause of clean environment during

covid, but suspension of clean energy industries and mining procedures was also responsible for clean environment.

Similarly, another argument advocated by this school of thought is that economic and environmental cost of procedure of making renewable energy resources is a little cost for the clean environment.

As end justifies the mean, so procedural cost in term of economic resources and environmental degradation is justified by clean and healthy environment.

But this argument is also made on fallacies and hence refuted on bases of facts and evidences. Firstly, the end is not environmental friendly. For example, any fault in any accessory of a renewable energy resource will lead to production of that accessory on cost of economy and environment. This will lead to a vicious cycle of environmental degradation. Secondly, the end at the cost human lives in form of diseases cannot be justified in any cause. Projects of renewable energy causes more deaths due to mining

DATE: _____

12

DAY: _____

associated disorders than the fossil fuel. This makes renewable energy resources just an expensive hoax rather than a sustainable reality.

To conclude, though clean energy projects are wrapped in promises of clean environment and sustainability, the deeper analysis presents a contradictory picture. Most of the renewable energy projects are associated economic cost, labour exploitation, environmental degradation and ^{increase in} mortality rate due to diseases. Widespread campaign to make the renewable energy projects as neo normal ~~create~~ ~~to~~ benefit the capitalists. The arguments provided by supporters of clean energy does not provide the complete truth and disadvantages and environmental degradation associated with these projects is intentionally hidden for sake of economic benefits.