

The Environment has gone beyond the tipping now.

Outline:

1 Introduction

2 Factors which indicate that environment's control is still in man's hand.

a) Conversion of energy resources to renewable can successfully avert the process of environmental degradation.

(Case in Point: Case Study of Germany)

b) Control of air pollution can make air quality index better and heal the ozone layer.

(Case in Point: Environment during COVID19)

c) Maximised wind capacity can halt the deterioration process.

(Case in Point: International Energy Agency Report)

d) Developed technology can convert the fossil fuels into energy resources.

(Case in Point: CO₂ conversion to fuel)

e) Equal participation of all the countries can mitigate usage of greenhouse gases.

(Case in Point: Active Participation in COP28)

f) Lowering cost of renewable energy can attract the users potentially before reaching tipping point.

(Case in Point: Al Gore views)

g) Pledges of world powers and willingness to execute them can affect the world positively.

(Case in Point: Paris agreement)

3 But, there are some factors which are pushing towards tipping point.

a) Irrational and withdrawal attitude of world leaders from environmental treaties is a great challenge.

(Case in Point: USA's withdrawal from climate treaty)

b) Environmental deterioration is still not at the center of states foreign policy.

(Case in Point: Steward M. Patrick views)

c) Glaciers are melting at full tilt posing a threat of mass extinction

(Case in Point: World Economic Forum.)

d) Ignored agriculture sector and natural disasters are becoming an existential

Threat to humanity.

(Case in Point: Threat of Food security)

e) The cost of carbon usage is still mounting up

(Case in Point: One day report of carbon usage.)

4 **How environment can be controlled before reaching tipping point:**

a) Early warnings and risk informed decisions can avert the process of environmental deterioration.

(Case in Point: World Economic Forum Report)

b) Environment should be center of state and global policies instead of traditional military threats.

(Case in point: Steward M. Patrick.)

c) Investment in developing post-oil infrastructure and carbon-free trade.

(Case in Point: Arab States steps towards post-oil era.)

5 Conclusion

The planet is in throes of an environmental emergency. Humanity's continued addiction to fossil fuels and its voracious appetite for natural resources have led to environmental disaster, degraded vital ecosystems and ushered in the slow death of the world's oceans. Earth's biosphere is breaking down. Our degradation of the planet has jeopardized our own survival. It is shocking that multilateral system has failed to respond more forcefully and has merely tinkered at the margins, but still the strings of environment are in man's control. Man certainly can save the environment before reaching to its tipping point through renewable energy.

resources and control over fossil fuels. Though irrational approach of capitalist world leaders can pose a challenge in its way. But risk informed decisions can help to materialise this factor. Environment has not gone beyond the tipping point yet, man has the power to pull the strings now. Clean energy, developed technology, and active participation of all global state can avert the deteriorating process of environment before reaching the tipping point. Traditional security and foreign policy approach might halt this process of environmental development but collective approach of the world in its true letter and spirit can effectively make a change. Environment is facing a lot of challenges but humans have not lost their control on it. They still can make a positive impact, which can avert the process of degradation in environment before reaching the edge and that is steps towards renewable energy.

Renewable energy can effectively

halt the process of degradation. Conversion of non-renewable energy to renewable can prove a setback to its pace towards disaster. Slow pace can give man leverage over environment and he can save the environment before reaching its tipping point. As the case study of **Germany** indicates that, they have controlled the environment with the help of the renewable energy.

Germany is producing about 81% of its energy through renewable energy resources.

It has made a great impact on environment, with the usage of clean energy. It impacted their daily life, health and living standards through clean or better air quality index.

Control of air pollution provides better air quality index to

The masses and have the ability to heal the ozone layer as well. It means that the cyclic process of controlled air pollution can avert the way of environmental destruction. As, the air quality index during **COVID19** has changed the world.

**'Controlled air pollution
lead to better air
quality index and healed
about the whole ozone
whole over arctic'
(Foreign affairs)**

COVID19 lockdown helped the environment to bounce back. It clearly indicates the strings of environment are still in man's hand. Man can avert the process of deterioration with better air quality, less air pollution and with clean wind energy.

As world has maximized its wind

energy capacity. As the world commits and achieves its energy targets it can certainly save the environment. The world committed to achieve **30GW** wind energy till **2010** but have surpassed its target **100% till 2020**, which shows the effective approach of man to save the environment before reaching the brink of disaster.

**'Worldwide energy
wind capacity is 197%
more than the targeted
capacity'**

**(International Energy
Agency Report)**

It can even boast it more with the developed technology. This shift of energy will save the environment from any uncalled disasters.

Developed technologies are helpful in generating clean energy and converting

fossil fuels into renewable energy. It is a remarkable step towards the environment. This conversion of fossil fuels to fuel will eradicate the root cause of environmental disaster. As the experiments are going on this factor and a successful conversion of CO_2 into renewable fuel or energy will ensure that environment do not reach at crossroads. These sincere efforts will be a great setback to fossil fuels disasters. One country or a group of countries cannot do that alone a collective participation of all countries is needed in this conversion process.

Equal participation of all the countries can mitigate the greenhouse gasses from the globe. It can ameliorate the heat trap and can bring the environment back to better condition. For this purpose and to encourage other nations a conference is held and 28th session of this conference held in 2023 and the world participated and appre

create it with open arms. This active participation ensures world will not reach at crossroads in terms of environment as this united approach will not let it get worsen.

'COP28 addressed the world fossil fuels officially which was not adopted before'

(COP report)

This collective approach of world will make a great difference, as the combined hands lowered the cost of renewable energy.

Lowered cost of renewable energy will be a great attraction for the energy users. As, they'll get a real chance to adapt their energy sector.

It will mitigate the pressure of fossil fuels from environment and will pave the way for global clean energy

materialisation. Competition and investment in this sector has brought the cost of renewable energy sign, which is a positive indicator that world is ready to adapt according to the environmental need. As, **Al-Gore** describe this cost factor; as:

'Huge investment in green energy and competition in the markete has brought the cost drastically down.'

(Al-Gore)

It shows world's potential and commitment towards it and the binding environmental treaties which is to avert the process of deterioration.

World powers have pledged in the forms of treaties and agreement to halt the process of reaching at

tipping points. They have designed the agreements and signed it, to ensure the safety of planet and save the ecosystem from negative impacts of industrialization and development. **Montreal protocol, and Paris agreement** has made most of the conditions binding on all the parties, which shows world's commitment to make the environment better. Though, some challenges still pose a threat to survival like that of withdrawal from the environment treaties to avoid binding conditions.

Irrational approach of world leaders and materialistic impacts can deteriorate the already worsening environment. They not only have withdrawn from some policies but also increased usage of fossil fuels.

United states have

withdrawed from the
Paris agreement.

(The Economist
Report)

They withdrew and later joined
but the reason seemed like the less
importance of environment near them.

Many countries have not
considered the environment center of
a policy but the economic and
security approaches. This lack of
interest will boost the pace of environ-
ment to reach the tipping point.

"Tradition and military
security are the top
priority of world's states
foreign policy instead
of environment"

(Steward Patrick)

This irrational and apathetic approach

can pose existential threats like deterioration of agriculture sector and glaciers melting.

Glaciers are melting which are increasing the risk of natural disasters or boosting the chances, which will not only destroy the agriculture sector but will eradicate the half of species from the world.

'Deteriorating environment can pave the way for food security threat and threat of mass extinction'

(International order is not ready to accept climate change)

Though these deteriorating factors can be averted before reaching at tipping point but collective approach and efforts are needed to materialise the plan in true sense, as early warnings

can be helpful.

Early warnings, and informed decisions can avert the possible disasters, especially the man made disaster easily. It could have changed the world if environmental policy is centre of state and global foreign policy. It would emphasize the nature and need of active measurements like that of investment in the post-oil infrastructure. Without proper measurement oil dependent or fossil fuel dependent states cannot bring an effective shift which is safe for their economy and environment. Carbon free trade policy can also encourage the environment friendly policies which can save the world from reaching at crossroads.

To sum up, though environment is facing looming catastrophe and a threat to biodiversity but still man has the authority to make positive

impacts and change the deteriorating track or slow the pace of deterioration with green energy, investment and adaptability approach. Though world has gained a lot from technological and industrial development but now it has to change the helping factors like fossil fuels for sustainable development.

**'Active participation
of contributing element
or states with investment
in clean energy can
save the environment
from disasters.'**

(Foreign Affairs)