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Rising climate related disasters all around the world: Causes and Solutions

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Outline

1- Introduction

Thesis statement: Several factors are responsible for rising climate related disasters all around the world, which needs speedy solutions. Green House Gases (GHGs) emissions, net zero myth by the Global North, and global diplomatic conferences on climate etc are few among evidences. However, some proactive measures will curb these threats for sustainable future of climate in the world.

2- A bird's eye view on the contemporary age of 'climate change'

3- Causes of rising climate related disasters all around the world

a) Major emission of Green House Gases (GHGs)

b) Net zero myth by the Global North



- c) Rampant and unsustainable urbanization
- d) Growing population explosion of the world
- e) Rapid deforestation across the globe
- f) Reliance on fossil fuels for energy production
- g) Inefficiency of financial commitment on climate resilient-fund
- h) Frequent change in global political environment
- i) Rise of nuclear proliferation in the world

4- Proactive strategies to curb rising climate change for sustainable future of the world

- a) Engage in global diplomatic conferences on climate change
- b) Advocate sustainable global governance for climate resilient future
- c) Enact policies to preserve natural environment in developing countries
- d) Frame policies for sustainable industrialization in the world
- e) Discourage fossil fuels for energy generation
- f) Launch clean energy projects
- g) Promote sustainable and stable transport system
- h) Invest in renewable energy resources
- i) Control population explosion of the world

5- Conclusion



Essay:

"The global temperature in 2100th Century has reached at about 2.5°C , and will be about 3°C by 2030." (The United Nations, 2023). How rising temperature has threatened the world? Undeniously, rising climate related disasters all around the world are clear manifestation of rising climate change. The world has put at stake because of rising climate change threats. In fact, several factors are responsible for climate related disasters, including major emission of Green House Gases (GHGs), net zero myth by the Global North, and rampant, and unsustainable urbanization. Further, growing population of the world has also contributed to rising climate related disasters. Not only this, but rapid global deforestation, reliance on fossil fuels, and poor financial commitments are also other drivers of climate related disasters in the world. However, some proactive strategies will curb these threats for sustainable climate resilient future. Among them, engagement in global diplomatic conferences on climate change, global sustainable governance for climate resilient future, and global policies to preserve natural environment in developing countries are on the top of the list. Along with these, promotion of sustainable industrialization is also

a proactive solution. Other recommendations include, discouragement of fossil fuels, advancement of clean energy projects, and sustainable transport system. Undoubtedly, several factors are responsible for rising climate related disasters all around the world, which needs speedy solutions. Green House Gases (GHGs) emissions, net zero myth by the Global North, and global diplomatic conferences are few among evidences. But, some proactive measures will curb these threats for sustainable future of climate change in the world.

No doubt, the world is facing rising climate change threats. The whole globe has caught in a vicious cycle of rising climate change. As a result, the global temperature has reached at peak, which is a serious threat to very existence life on the planet. According to the latest update by the United Nations, "The world temperature has already become 1.09 degree centigrade, which is a severe risk to living beings." (The United Nations, 2023) This stark reality highlights the contemporary age of climate change, which has deep roots in climate change risks.



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Among several factors, major emission of Green House Gases (GHGs) is on the top of the list, which is responsible for rising climate related disasters all around the world. Unfortunately, the global powers are major contributors to Green House Gases (GHGs) for economic and political hegemony. This is ongoing from the very past hundreds of years, which has threatened life on the earth. "The Global North is mainly responsible for (GHGs) emissions since 150 years, not the Global South." (Stance of China and India on climate change - Al-Jazeera, 2022). This indicates that major emission of GHGs has contributed to climate related disasters in the world.

Along with GHGs, net zero myth by the Global North is another factor responsible for climate related disasters all around the world. Undenably, the Global North countries are major drivers of net zero myth on the



global climate forums. In consequence, the recent global temperature has threatened sustainable future of the world. According to the report, "The global temperature is becoming 3 degrees centigrade, especially driven by the Global North countries" (The International Panel on Climate Change IPCC, 2022). Thus, net zero myth by the Global North is a huge driver of rising climate related disasters all around the world.

Further, rampant and unsustainable urbanization has also added oxygen to climate related disasters all around the world. The advanced world is rapidly moving towards urbanization, causing unsustainability of the globe. This unsustainability has increased risks of climate change in the world. According to the Thomas Friedman, "In a globalized world, the whole globe is in competition of marketing, historically and geographically, which promotes unsustainable world order." (Thomas Friedman, *The World is Flat*, 2005). This serves as a clear demonstration of rampant and unsustainable urbanization causing climate related disasters in the world.



Furthermore, growing population explosion of the world is also responsible for rising climate related disasters all around the world. The world is revolving in a vicious cycle of growing population bomb day by day. This rise of population is contributing to climate change, thereby threatening the sustainable world. According to the report, "The population in Pakistan is growing at rapid pace with a growth rate of 2.5% per annum, making it the 15th largest populated country." (The World Bank, 2023). This fact highlights that growing population explosion in the world is responsible for rising climate related disasters in the world.

Moreover, rapid deforestation across the globe is another injury causing climate related disasters all around the world. The modernity of the world is posing threat to natural environment. As a consequence, exploitation of natural environment for human necessities is a pre-ponderant dilemma. "Growing human necessities has paved a way for exploitation of the natural forestation, particularly in developing world." (The COP 1 to COP 14 stands, Al-Jazeera, 2022). Hence, rapid deforestation across the

globe causing climate related disasters all around the world.

Similarly, reliance on fossil fuels for energy production is another major factor responsible for climate related disasters all around the world. Both developed and developing countries are heavily relying on fossil fuels for energy demand. This approach has contributed to climate change, which has disturbed the sustainability of the nature. As per report, "China has contributed to 35pc, the European countries 30pc, and India 9pc to climate change, relying on fossil fuels energy production." (The News - Rising global temperature, 2022). Thus, reliance on fossil fuels for energy production has increased threat of rising climate related disasters all around the world.

Additionally, inefficiency on climate resilient-future financial commitment has provoked climate related disasters all around the world. The world countries are mainly responsible for poor financial commitment to build a climate-resilient future. Resultantly, lack of climate funds has still stuck to climate



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change risks. "About \$22 billions are less in generating \$100 billions on financial climate fund commitment in COP-21, in which \$18 billions are missing from the US and \$2 billions from Australia, and remaining from the other countries." (The COP-26, Glasgow Conference). This indicates inefficiency of financial commitment on climate resilient world is contributing to climate related disasters all around the world.

Besides above, frequent change in global political environment is also causing climate related disasters all around the world.

The world major players are shaping and reshaping global political environment, thereby causing climate change. This sudden revival in global politics has prevailed climate risks in the world. As per report, "Trump Administration denied climate based world and requested to co-operate on climate resilient global



future." (The BBC, 2022). This stark reality shows how frequent change in politics contributed to climate related disasters all around the world.

Not only these, but rise of nuclear proliferation in the world is mainly responsible for climate related disasters in the world. The whole globe is shifting towards nuclear world order in a multipolarity. This nuclear rise poses threats to natural environment, disturbing natural phenomenon. "Rise of nuclear proliferation is a dangerous threat to the human life." (Antonio Guterres, the Secretary General of the United Nations, 2023). This statement highlights that nuclear proliferation in the world is mainly responsible for climate related disasters in the world.

However, some proactive solutions will curb rising climate related disasters and chief among them is engagement in global diplomatic conferences on climate change. No doubt, effective global diplomacy on climate change will pave a way for sustainable future. This approach will not only contribute to



the sustainability, but will also promote stable and peaceful global environment. "The COP-27 underscores global success of diplomacy for carbon cuts, in which the United States will reduce 45pc, China 40pc, and India, and other European countries 35pc of carbon emissions by 2030." (The COP-27, Sharm-el-Sheikh, Egypt, 2022). This indicates that global diplomacy on climate change will reduce rising risks of climate related disasters.

In addition to the above, advocacy of sustainable global governance for climate resilient future will also contribute to reduction in climate related disasters. The world needs co-operation and collaboration to promote sustainable global governance, advocating rights of the developing world. This will balance the two poles of the globe in the name of climate-resilient future. "There must be carbon quotas to balance carbon emission between developed and developing countries." (The COP-27, 2022). Thus, advocacy of sustainable global governance for climate resilient future will reduce rising threats of climate related disasters all around the world.

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Not only this, but effective implementation of policies to preserve natural environment in developing countries will reduce climate related disasters all around the world. The role of global superpowers in climate diplomacy needs strict implementation of climate policies to keep developing world in peace. This approach will lead to sustainable and stable climate-resilient future in the world. "The funds for 'loss and damage' will shape a climate resilient future in developing countries." (Pakistan Bureau of Statistics - Stance on COP-27 initiative - 2022). Thus, implementation of climate policies to preserve natural environment in developing countries will reduce climate related disasters all around the world.

Moreover, framing policies for sustainable industrialization in the world will also reduce increasing risks of climate related disasters all around the world. The global shift towards industrialization needs sustainable policies to promote economic world order. This initiative will maintain the essence of natural environment in the world.



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"Pakistan has launched the National Clean Air Policy (NCAP) of 2022, which will improve air quality by 81pc by 2040" (Shiraz Rehman, former minister of climate change, 2023). This serves as a demonstration that formulating sustainable policies for sustainable industrialization will reduce rising climate related disasters all around the world.

Similarly, discouragement of fossil fuels for energy generation will also help in reducing climate related disasters in the world. Reliance on fossil fuels needs active discouragement for sustainability of climate change. As a result, generation of fossil fuels energy will be decreased with the passage of time. According to the statement, "The world needs to discourage fossil fuels and build a future of leaving no space for fossil fuels energy generation." (The IPCC, AR6,



WQ3, 2023) - Hence, discouraging fossil fuels for energy production will discourage climate related disasters all around the world.

Further, launch of clean energy projects will also reduce climate related disasters around the world. Undoubtedly, the superpowers are technological advanced, which needs their contribution to promote clean energy motive. China has promoted the concept of clean energy in the world, which is manifestation of sustainable world order. "The purpose of Belt and Road Initiative (BRI) is to promote economic connectivity in the age of clean energy projects." (China Bureau of Statistics, 2022). Along with China, the United State has also promoted clean energy initiative. "The US-led partnership will also promote clean energy generation in the region" (The CNN, 2023). Thus, above evidences indicate that clean energy projects will reduce rising climate related disasters in the world.

Furthermore, promotion of sustainable and stable transport system will also decrease rising climate related disasters in the



World: In advanced world, the global countries need to promote technology to improve transport sector. This will definitely pave a way for climate resilient future. "Pakistan's agenda of 2030 will promote electric vehicles to preserve natural environmental stewardship in order to cope climate threats." (Pew Research centre, 2022). This stark reality highlights need of sustainable transport sector in the world to reduce climate related disasters.

Along with these, investment in renewable energy resources will also reduce increasing risks of climate related disasters around the world. In fact, the world needs to focus on renewable energy resources for sustainability of climate. This approach will contribute to stability of environment to reduce climate risks. "China's involvement in Dams-Hydro-power projects will generate 60pc of energy production by 2030 in Pakistan." (Pakistan Bureau of Statistics, 2022). Hence, investment in renewable energy generation will reduce increasing threats of climate related disasters all around the world.

Last but not the least, global population control will also reduce rising climate related disasters all around the world.

Growing world population needs effective planning to control over population explosion.

Controlling population will lead to the sustainable world order in order to build sustainable climate resilient future. As per report, 'China's one child policy has reduced growth rate at 0.35% and Iran's successful family planning has reduced at 1.22% of population' (The Global Demographic Report, 2019).

This serves as a clear demonstration that control on population explosion will reduce rising threats of climate related disasters all around the world.

In conclusion, several factors are responsible for rising climate related disasters all around the world. Among these factors, Green House Gases (GHGs) emission, net zero myth by the Global North, rampant, and unsustainable urbanisation, and population explosion are on the top of the list. Further rapid deforestation in the world, reliance on fossil fuels for energy production, and inefficiency



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Efficiency of financial commitment are also responsible for rising climate related disasters. However, some proactive solutions, including engagement in global diplomacy on climate change, promotion of sustainable global governance, and policies to preserve natural environment in developing countries will reduce rising climate related disasters in the world. Other recommendations include, sustainable urbanization, fossil fuels reduction, and clean energy projects. Undoubtedly, above proactive solutions will reduce rising climate related disasters all around the world and will promote sustainable climate resilient future. "Countries effective collaboration and co-operation in climate diplomacy will not only save the developing world, but will also save developed world." (Bilawal Bhatti Zardari, former foreign minister, 2023).