

Climate change in Pakistan

MOTOWOTOFOSO

H/WO-C/WO

Date:...../...../20.....

The Essay

1- Introduction:

1.1 - Thesis statement; climate change is global phenomenon which has adversely affected Pakistan's social, political and economic situation that require a united stance from all stakeholder's involve to prevent the problem from escalating.

2- Causes of climate change in Pakistan:

- 2.1 Deforestation in Pakistan
- 2.2 Industrial emission in Pakistan
- 2.3 Burning of Crops
- 2.4 Global carbon emission
- 2.5 Burning of fossil fuels

3- Impacts of climate change

in Pakistan:

- 3.1. Increase in food insecurity
- 3.2. loss of human lives
- 3.3. migrations and internally Displaced People (IDPs)
- 3.4. loss of economy
- 3.5. Disruption in weather and seasonal patterns

4- Solutions of climate change in Pakistan:

- 4.1. Reforestation in Pakistan
- 4.2. Restricting industrial emissions
- 4.3. seeking international assistance
- 4.4. Decreasing dependence on fossil fuels
- 4.5. Preventing the burning of crops.

5- Conclusion

Climate change is a global disaster. As Barack Obama said, "we are first generation to face the adversity of climate change and the last who can do something about". The disastrous impacts of climate change is apparent all around the world. Among other adversely affected countries, Pakistan is on top of the list. The country is witnessing the consequences of climate change since the last one and half decade. The reason why Pakistan is the most vulnerable include deforestation, industrial emissions, crop burning, global carbon emissions and burning of fossil fuels in Pakistan for the production of energy.

These reasons, in general, have caused the country to face food security and the loss of valuable human lives. ^{climate change} They also caused internal displacement of people (IDPs), loss of economy and disruptions in seasonal patterns and weather. Moreover, Pakistan require great efforts to prevent climate change causing destruction. For that, it needs to do reforestation, policing to restrict industrial emissions, and decrease its dependence on hydrocarbon. Further, it has to prevent crop burning and seek international assistance pledged by the global world. As climate change is global phenomenon which has adversely affected Pakistan's social, political and

Important

economic situation which require a united stance from all stakeholders involved to prevent the problem from escalating.

One of the primary reason ~~of~~ for the cause of climate change in Pakistan include deforestation. Because trees protect the earth's climate by absorbing carbon dioxide (which are cut down by local people or mafias). Another major reason for the loss of forest is caused by the construction of massive commercial project. For example, ~~the~~ buying of rural cultivatable land by housing construction people such as Bahria

town and Defense Housing Authority. The erosion of forest life in Pakistan contribute to the climate change in the country. As the release of carbon is greater by anthropogenic activities than being absorbed by the trees.

Secondly, industrial emissions are also responsible for the climate change in Pakistan. Industrial production is barely regulated in the country. It lacks any standard operating procedure SOP for the working of industries. There is no government policy that restricts the carbon emission from the industrial sector. As a result, they

Important

town and Defense Housing Authority. The erosion of forest life in Pakistan contribute to the climate change in the country. As the release of carbon is greater by anthropogenic activities than being absorbed by the trees.

Secondly, industrial emissions are also responsible for the climate change in Pakistan. Industrial production is barely regulated in the country. It lack any standard operating procedure SOP for the working of industries. There is no government policy that restricts the carbon emission from the industrial sector. As a result, they

Important

Keep adding to the problem of climate change. Industrial emissions of green house gases are a great source of the depletion of climate. That is why china tops the list of most carbon contributors to the depletion of climate. This is also the reason for climate change in Pakistan.

Thirdly, Crop burning is also a major cause of climate change in Pakistan. Every year crop residue are burned in ample quantity. As a result, the burning cause the release of carbon dioxide and other gases in the environment which cause climate change.

The same also happens in the neighbouring country India. And because climate change doesn't respect borders, the burning of crops also effect climate in Pakistan. The ~~or~~ remnants crops burned in huge quantity exacerbates the situation of climate ~~for~~ to a greater amount.

fourthly, global carbon is emission is the main major reason for ~~the~~ ^{one of} the most climate vulnerable countries around the world. Since the Industrial revolution, the western countries have released huge quantity of ~~or~~ greenhouse gases due to their production. The consequent

Important

-ence of which is now mostly being faced by the third world countries in the shape of natural disasters. Pakistan only contribute one percent ~~of~~ to the global carbon emission, yet it is the top fifth most vulnerable countries to climate change according to sources such as Dawn.

This indicates how badly the global carbon emission have affected Pakistan.

lastly, the burning of ~~burning~~ fossil fuel is another main reason for the climate change in Pakistan. The burning of hydrocarbons cause the release of green house gases in the atmosphere which result in ~~the~~

warming up and depletion of the atmosphere. fossil fuels account for most of the energy production in the country which makes it account for ~~as~~ ^{one} of the major reasons for climate change in Pakistan. For example, most of the power plants use coal and oil for the production of energy to meet the country's need of electricity.

~~This is how the~~
Moreover, climate change has drastically impacted the country by causing food insecurity. Pakistan is the fifth most populous country of the world. It requires a great amount of

Important

Best Quality Material

food to feed the people.

In this regard, the country's agriculture sector play a vital role. It produces most of the food for the country. However, climate change has woosly affected the sector which has caused food insecurity. for example, 2022 flood have caused the drainage of fertile land in floods and caused the destruction of crops. This has made the scarcity of food items and inflation.

In addition to the food insecurity, climate change also cause the loss of valuable human lives in Pakistan. Climate change culminates into many

120
natural disasters such as
floods, intense heat waves,
land sliding and avalanche
As a result of which many
people die. An apparent
example of this would include
the floodings of 2022 which
killed around ~~1600~~ 1700
people as per the Dawn
report. Prior to that, many
people also died in ~~20~~ 2020
and 2015 floodings. This is
how climate change poses
a great challenge for
the country's people and
their safety and security.

With the increase in
food insecurity and loss human
lives, climate change also
~~result~~ impact the displacement
of people and migrations. ~~The~~
~~Natural disaster~~ hit the

Important

climate change hit the local people through different. For instance, the people of Sibi in Balochistan migrate to Quetta in summers due to intense, unbearable heat. People from many other parts of Balochistan migrate to Quetta due to scorching heat. Furthermore, floodings due to climate change displace people from their mainland, and they have to live a life in despair on a remote land. Such as the floodings of 2022, which caused 33 million people internally displaced. This is how climate change add to migrations and IDPs.

climate change has

also caused immense loss to the economy. Every year the country loss billions due to climate related problems. Infrastructure is devastated by different natural disasters in the country. Roads and bridges are swept away by land sliding and floodings. This cause great burden on the entrepreneur. A poor country like Pakistan cannot time and again afford such economic devastations as in 2022 which resulted in the loss of 30 billion dollars as per the report of United Nations.

last but not the least, climate change also cause weather disruption and frequent change in

Important

seasonal patterns. The disruption in weather is a great dilemma for Pakistan. Summers aren't the way they used to be. Now, frequent ^{and} intense heat is more usual. Similar effects have also caused intense winters. Climate change has also resulted ~~is~~ in disruption of seasonal patterns. The yearly period which was used to be for cultivation is now surrounded by winter while those of crop picking seasons is caused by heatwave which burn the crops.

However, the country need swift reforestation to prevent climate change from reaching a no way out point. Trees are life to the

climate of the world. They protect the environment and ozone layer by absorbing great amount of carbon dioxide and providing oxygen for living organism. for instance the Great Amazon forest is called "lungs of the world", because it has great importance for the preservation of life on earth. ~~That is why~~ Pakistan's ^{also} previous government took up the challenge of reforestation to plant 10 billion tree tsunami. ~~where~~ Pakistan achieved its target successfully despite its weak economic condition. Whereas, most of ~~the~~ the developed and developing world lagged behind in achieving their targets pledged internationally.

Important

ant

Moreover, preventing the adverse impacts of climate change also need the country to ~~implem~~ restrict industrial emissions. Because industries release harmful gases in the atmosphere without any regard for the damage of climate. They are barely regulated by the government to restrict and prevent them from releasing harmful gases in the atmosphere. For that, the government ~~is~~ needs to introduce a standard operating procedure for the working of industries in the country. Those adhering to the SOPs should be incentivized while on others a climate tax should be imposed.

However, Pakistan must also seek international assistance for lowering down the risks of climate change. Most of Pakistan's climate change problem is due to the ~~low~~ green house gases emission of the developed and developing world. Pakistan would not be able to alone meet the monetary requirement for the prevention of climate change. It should seek the climate fund pledged by international society in COP26. The country should ~~also~~ engage diplomatically with other countries to secure international aid, low interest rate loans, and increase in the time of debt repayment.

Furthermore, Pakistan should also decrease its dependence on fossil fuel. About 55% of the country's electricity is produced through hydrocarbons. It should transition to renewable energy resources like solar, wind energy, tidal power plant, and nuclear power plants. Otherwise it would be too late for the country to come back if timely action was not taken towards renewable resources. Even China has shut downed ~~its~~ many of its fossil fuel energy production plants and banned any new coal ~~energy~~ project for the production of energy. Pakistan must also focus on renewable

Important

resources for its energy production.

In the end, the government must take action against the burning of crops which cause the release of harmful gases in the atmosphere.

Every year thousands of tons of crops residue is burned in the country which should be banned.

Additionally, Pakistan is also required to negotiate with New Delhi to act against the burning of crops on their side to prevent climate change. The government should punish those not adhering to the law regarding the transgression of burning of ~~forest~~ crop burning.

In Conclusion, climate change is a great challenge to the security of all around the world. It has got adverse due to the anthropogenic activities and is now hitting the world in many ways such as intense weather and natural disasters. Pakistan is also the most vulnerable country among to climate change.

Each year the country ~~lose~~ suffer the loss of human and capital resource. It requires the government, civil society, and politician, all to work unitedly and adhere to the ~~goal~~ international pledges to take steps in the way of preventing climate change from further destructions.