

Climate change - The Threat is Real

Outline

Introduction

Climate change: Threat to Pakistan.

Unprecedented Floods

Heatwaves

Increase in Yearly Average Temperature

Food Insecurity

Destruction of crops

Disease vulnerability

Climate change cornerstone of national Agenda

Climate change Part of National Agenda.

Plantation of Ten Billion Tree Tsunami

Energy Initiatives

Launch of Electrical Vehicles

Role of Pakistan in recent Cops.

Pakistan - an example - to Follow COP 26.

Initiative of Climate Justice.

Bonn Agreement and Global Recognition of Ten Billion Tree Tsunami.

Conclusion.

Ans----

Critical Appraisal of Pakistan's Readiness and Response.

Introduction.

Climate change refers to shift in average weather conditions, including rainfall, cloudiness, humidity and wind patterns, and change in the frequency and severity of these conditions. The Earth's atmosphere has changed throughout its history, the patterns that occur

over long time of Period. The scientific evidence is very clear that these changes are not being driven by long term climate cycle but also their main cause is global warming which is increasing due to human activity. climate change has profound implications for the people and the natural world. Heatwaves currently happening with more frequently and likely to be more hotter because of the increase in global temperature. warmer air contains more water which resultly can cause downpours. This increases heavy floods, damaging of property and threatening to lives. changing weather patterns also affected crop yields.

The quantity of crops like wheat and maize which can be produced an area of land. higher temperature is causing melting of ice sheets, glaciers in Antarctica and Greenland, which is increasing volume of water into oceans. In spite of, warmer planet is expanding volume of the sea water similar to the thermometer. the liquid expands when it heated. There are evidences that due to temperature increase animals and other species are shifting to new areas.

Climate Change: A Threat to Pakistan.

Pakistan is a prominent example of a developing world that ranks 8th position to vulnerable from climate change.

Despit, it contributes very less in (GHG) emission - **0.8**. Furthermore, Due to the effects of climate change Pakistan is experiencing heavy rainfall, Heatwaves, flash floods, Draught etc. - currently the country facing **38°C** increase in annual average temperature - **April 2022** was the hottest month, untill the May 2022 came along with the warmest temperature over the last **61 Years**. At least **65** People were died due to heatwave - In Jacobabad, city of Pakistan the Mercury reached till **51°C** made it the hottest place of the country - Pakistan an agrarian based economy experiencing economic lose due to climate change - The recent floods caused, **33 million** People affected and **1000** People lost their lives - Flooding has repeatedly affected Pakistan. However, The monsoon season started earlier which has created havoc and is openly evidence to the climate change. Given outside of the Polar regions the country has the most glaciers - given the current state of Global warming these blessings are turns into curse -

Climate change, cornerstone of National Agenda -

Assessment of National initiatives.

Pakistan developed it's Policy (NCCP) National climate change Policy in **2012**. to keep in view the high vulnerability

to the adverse impact of climate change. However, after Paris accord Pakistan accepted that to contribute in (GHG) emission reduction. Now Pakistan has updated its (NCCP) National climate change Policy - to adaptation of environment friendly solutions - Pakistan intends to reduce **50%** overall Projected emissions by **2030**, with **15%** country's own resources and **35%** globally subjected to the international grant finance. To reach the target Pakistan aims to shift **60%** renewable energy, **30%** electric vehicles by **2030** - and ban coal imports. The National forestry Policy was adopted in **2017** by the government of Pakistan for the plantation promotion in the country. The (UNFCCC) United Nations Framework convention on climate change in 2021 to improve management of natural habitats.

Green Pakistan Program Provided 350,000 jobs, particularly during covid-19 era - instead of, **Ten billion Tree Tsunami**, Phase 1, for 4 years (**2019, 2023**) Projected by government of Pakistan - this project is imposed by government of ministry of climate change along with Provincial and territorial forest and wildlife department.

Pakistan's Role in Recent Cops.

The 26th conference of Parties (COP26) to the United Nations framework convention on climate change were held **Glasgow**, from **Oct 31**, to **Nov 13**. Pakistan along with other **100** countries signed the pledge on **Global Methane reduction**.

On the eve of that COP Pakistan and UAE signed a memorandum to understand the **Green cooperation of (COP26)**.

Furthermore, An event took place titled **Pakistan stands for Youth**, during (COP26). The recent COP27th were held in the Coastal city of Egypt at - **Sharm - El - Sheikh** from **Nov 6** to **18 Nov**, including with the historic decision as like loss and damage fund. for those countries which are most vulnerable to climate change and are under developed.

Conclusion.

Climate change is a serious issue in this contemporary era. Developing countries like Pakistan is highly affected by the Perils of climate change. Despite, contributing very little amount in the emission of **(GHG)**. To avoid its hazard, It is essential to communicate and give awareness to masses that there is risk in it. Competent policies regarding mitigation and adaptation should be adopted. Toxic emission is a main cause

of climate change, which is driven by the Global Warming. That vehicles ~~the~~ ^{use} must be cut down. Good governance is core at the Problem. Possible solution is only workable if government will frame and design implementable decision making. Policies regarding mitigation and adaptation should be placed on the Priority basis. In a nutshell, by applying and adopting all these techniques and Policies the hazard of climate change would be reduced.