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"ESSAY"

Day: Wed

Topic:

"Water Crisis and National Unity"

Outline:

(1) Introduction

Thesis Statement:

Pakistan is facing Water Crisis, which severely affecting the National Unity of the Country. It is direct impact upon the economy, domestic house holds, Climate, and an environment etc. However, the technological advancement and proper planning can reduce the scarcity of water, and promote the National Unity.

(2) Brief Overview of Water Crisis and National Unity.

(3) Causes of Water Crisis in Pakistan

- (a) Population explosion.
- (b) Massive deforestation.
- (c) Rapid change in Climate.
- (d) Dependency on water based agriculture.
- (e) In-efficient use of water.

(4) Impact of Water Crisis on National Unity.

- (a) Inter-provincial dispute.
- (b) Emergence of regional political parties.
- (c) Un-employment promotes anti-State elements.
- (d) Increasing electricity shortage.
- (e) Weakened economy.

(5) Solution to Counter Water Crisis in Pakistan

- (a) Awareness among people.
- (b) Downsizing of water based agriculture.
- (c) Recycling of water ~~to~~ waste.
- (d) Mega plantation projects.

(6)

Conclusion

"The Prophet Muhammad (PBUH) said:
 Do not waste water, even if you were
 at running stream." (Sunan Ibn Majah 425).
 Water is basic essential for life. Without
 water it is impossible for living organism
 to survive. The above Hadith makes it
 clear that water is most important for
 living organism, which can be counted through
 national integration. Unfortunately Pakistan
 is facing the scarcity of water from last
 many decades. There are many causes
 which contribute in the crisis of water.
 The rapid explosion of population in
 Pakistan is one of the major reasons
 of water crisis. The massive and high
 level deforestation in rural as well as
 in urban areas are also contributing
 in such a worst situation. The day to
 day changes in climate is one of another
 big reason of water scarcity in the country.
 The dependency on water based agriculture
 and in-efficient use of water in country
 is another leading cause of water crisis.
 All the causes leads to severe impact.
 It may leads to inter-provincial dispute.
 The emergence of regional political parties
 can arise too. These situation may
 cause unemployment at high rate. It will
 birth anti-state elements. The increasing
 electricity shortage can be faced by
 the people at high level. In short

may lead to affect the economy of Country. These worst situations can be controlled by proper planning. As Pakistan is facing water crisis, which severely affecting the national unity of Country. It has direct impact on the economy, domestic households, climate and environment. However, technological advancement and proper planning can reduce the scarcity of water and will help to promote national unity.

There are many reasons due to which the crisis of water become an worst situation and an disturbing situation for the unity of nation. According to a report published by "UNDP" in 2018, Pakistan will become a water scarce country by 2023. The today's situation of water crisis is proving it correct.

Firstly, the population explosion is one the major ^{Reason} ~~factor~~ in the ~~way~~ of water crisis. ^{Impact} The mega increase in population is badly affecting the life of people. Pakistan is the 5th most largest populated nation in the world. Where there is no proper family planning. The Govt of Pakistan has no proper planning to control the population explosion. From 2010 to 2023, a huge number of increase occurred in the population. There is a population of Pakistan 235,024,862 a 1.91% increase from 2021 and the current population of Pakistan in 2023 is 240,485,658 a 1.98% increase from 2022. Hence, it

Can be stated that Population explosion is a big reason of water crisis in Pakistan. Another, big and alarming reason of water crisis in Pakistan is the massive deforestation. The cutting of trees can contribute in the scarcity of water. Trees play vital role in the reduction of water crisis. But alas, billions of trees have been cut by timber mafia yearly, and there is no check and balance by government institutions. The forest of South Waziristan, Upper Swat and Upper Dir has been ruined by these timber mafias. Instead of this these timber mafias are active in the Chitral and operate freely in northern areas of Gilgit Baltistan. The Zaskar areas are also not safe from these mafias. Another big problem of massive deforestation is the unavailability of SUI gas in rural areas, where the people used "wells" for their basic needs. In short, it is proved that water crisis also emerges due to the massive deforestation.

Dependency on water based agriculture is another leading cause of water crisis in Pakistan. There are many agriculture sectors in Pakistan which are just based on ~~agriculture~~ water, and contribute in the crisis of water. The cement industry, rice, crops, ~~are~~ ~~are~~ ~~are~~ ~~are~~ wheat, maize, sugarcane, cotton and Jowar etc are the highly water absorber, and about 25% of Pakistan

Pakistan's GDP Comes from agriculture. According to report shared by University of Nebraska, 93% of water is used in agriculture in Pakistan. So, it is water based agriculture which is another cause of water crisis in Pakistan.

It is the rapid change in climate, which leads to the scarcity of water in Pakistan. The rapid change of climate has mostly affected the weather pattern of the globe as well as of the Pakistan. The ^{change} uncertainty in weather have totally changed the environmental condition of Pakistan, which directly leads the country toward water crisis. The unexpected hot weather in summer and similarly the unexpected cold in the winter is the evidence of climate change. No doubt when a change occur in climate, it will affect the water resources. 51.5°C (124.7°F) temperature was recorded in Pakistan. (Dawn, 09 June, 2013). Hence, it can be stated that climate change is a big issue of water crisis in Pakistan.

Lastly, the in-efficient use of water is a result of extreme water crisis in the country. The awareness and carelessness of people become reason of water wastage. The people of Pakistan are too much careless in the use of water. A huge amount of water has been wasted by citizen at houses, mosques, land, sanitation, hotels, industries

and Parks etc. The water which fulfill the requirements of people, they are using more than the required. Which ~~result~~ is causing the reason of scarcity. Thus, it is proved that the in-efficient use of water lead to scarcity of water.

There are many impact of water crisis on Nation Unity, such as inter-provincial dispute. The Crisis of water can give birth to dispute among the federation and provinces. The Unequal distribution of resources may promotes the ~~watered~~ culture among the people of Pakistan. Currently there are many issues which far-off the people of different provinces from each other. Already the small provinces like KPK and Balochistan have concern on the distribution of resources. The Crisis of water in near future may also become another big reasons of inter provincial dispute. The division among provinces (Punjab 55.94 MAF), Sindh (48.76 MAF) (KPK 8.78) and Balochistan (3.87) MAF. (Pakistan Water accord 1991). So, the water crisis can create to inter-provincial dispute, and have an bad impact on Nation Unity.

• it also emerges ^{the} regional political parties. As Pakistan is a multi-party democracy the country has many political parties and many time in past the country is ruled by coalition government. Thus, the water crisis may emergence to region of political parties, which may badly affect the ~~democracy~~ ^{unity} of country because a regional political parties working in a particular region pursues the interests of one community only. The working of regional political parties for single community may weakened the democracy of country. So, it is the emergence of regional political parties which have great impact on the national unity of Pakistan.

It is also leads to high un-employment rate which can promotes anti-state elements. Un-employment become a reason of anxiety and depression among the youngsters. it also can become the reason of demotivation. which may create negativity. No doubt the negative thoughts may force the individual to become an anti-state elements. This can be a worst situation for the country.

The anti-state elements are the main barrier in the development and peace of country. Over 6.5%, or more than 3 out of 10 people are facing un-employment issues in Pakistan.

According to statistics, the un-employment rate in urban areas has

increased from 2 percent to 10.1 percent, and in rural areas, it has increased from 4.3 percent to 5 percent. So, it is proved that Un-employment in a country can promote anti-state elements.

The In-late crisis can generate increasing electricity shortage. It can adversely affect the National Unity of country. In today technological and advanced era electricity play a vital role in human life. But from last many decades Pakistan is facing the shortage of electricity. The loadshedding and low voltage of electricity has both direct and Indirect impact on the daily life of people. It has direct impact on the economy, households, industries, education sector and on the hospital etc. Currently Pakistan is facing 9,000 MW deficit of electricity. (Pakistan Economic Survey 2021-22). So, it proved that In-late crisis has great impact on mega electricity shortage.

Similarly, it is great impact on the economy of Pakistan. Water Crisis and National integration play important role in the economy of Nation. If a Country has facing the scarcity of water will mostly affect the economy of Country.

Since from independence till now the economy of Pakistan has many ups and down. The weakened economy of Pakistan is a major obstacle in the development of Country. Instead of this there are many other reasons of weakened economy such as political instability and mega corruption culture. The dependency on foreign aid also led the Nation on the path of weakened economy. Hence, it can be stated that weakened economy is another cause of water crisis and National Unity.

There are many ways or remedies through which crisis can control the water crisis and promotes National Unity in the Country.

The awareness among the people regarding water usage. Awareness among people is key tool to reduce the scarcity of water. There are many ways through which awareness can be created. The print media role is very much important. Instead of this social media, News papers, Journals and Seminars can play vital role in awareness. There are many Countries in the world,

Who Celebrate Water day World Water day is held annually on 22 March as a means of focusing attention on the importance of freshwater and advocating for sustainable management of freshwater resources. The environmental protection agency (EPA) estimates that the average home wastes 90 gallons of water per day. That adds up quickly to 10,000 gallons of water per household per year, and 1 trillion gallons if you take the National average. Thus, the awareness among people regarding water usage is very much important.

It is also important to downsize the water based agriculture. As Pakistan is agriculture based country. The agriculture contributes 25 percent to the GDP. To counter the water crisis it is necessary to decrease the agriculture which is totally based on the water. A recent report shows 92% of water is used in agriculture, which is huge amount for a country who is already facing water scarcity. Most types of assembly plants do not need water for their products. So Pakistan should move towards such industries. In short it can be stated that downsizing of water based agriculture can help a lot to counter the scarcity of water in Pakistan.

One of the big solution to Control Water Crisis is the recycling of treated waste. As large amount of water is wasted on daily and yearly basis. There must be a proper system to recycle the water waste into usable condition. Water reclamation process can convert municipal waste water or industrial waste water into water that can be reused for a variety of purpose. Israel which is water deficient country with 70 percent of desert, has achieved water scarcity by treating and recycling 90% of its waste water. (The Korea times, 2022). Different countries in the world are facing the problems of water crisis. But by using the technological advancement they are able to meet their requirement. Singapore is also a water scarce country - its ~~now~~ is meeting 40% of its water demand from recycling water waste. Which will reach to 55% by 2060 (The New York times, 2022).

Another best remedies to counter the water crisis are the mega plantation projects. Plants play vital role in nature process. Plants are the game changer in climate change. They can briefly stabilize the nature and environment. Thus, mega plantation projects can tremendously reduce the crisis of water.

The ten billion trees Tsunami Programme by government of Pakistan, with total cost of 125.1843 billion. The project is being implemented across Pakistan by Ministry of Climate Change along with provincial and territorial Forest and Wildlife departments, with objective of revive Forest and wildlife reserves in Pakistan. Hence, the plantation projects can help a lot to control water crisis.

Conclusively one may say that, Water Crisis is a global issue, and unfortunately Pakistan is also facing water crisis which severely affecting the National unity of Country. It is direct impact on the economy of Country. The domestic households, Industries and environment of Country is badly affecting. Many reasons like the rapid increase in the population and massive cutting of trees are one of the major reasons. Instead of this the un-conditional change in climate and the in-efficient use of water are the leading factors of water crisis in Pakistan. Similarly, the inter-provincial dispute, emergence of regional political parties and increasing un-employment rate have great impact on the national unity of Country. To counter such a terrible situation it is necessary to aware people regarding usage of water. Where media can play an important role.

The recycling of waste water also helps the country to deal the water crisis. However, by using the suggested remedies Pakistan can control the crisis of water and promotes the national unity. ~~is~~ ~~is~~

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