

Discuss the reasons of environmental degradation in Pakistan and suggest remedial measures for sustainable environmental rehabilitation.

CA 725

## 1. Introduction

Pakistan is one of the most ~~affected~~ countries from environmental change and degradation. The ~~causes~~ reason of environmental degradation are population explosion, rapid urbanization, excessive deforestation, combustion of ~~other~~ fossil fuel, inadequate and outdate techniques of solid waste management and rapid industrialization and use of weapons of mass destruction also contribute to the environmental degradation. Its remedial measure includes, sustainable, urban development, compliance of Sustainable Development Goals (SDGs) and in every sector that impacts environment.

## 2. Reasons of Environmental Degradation in Pakistan

### A. Population Explosion

Pakistan is one of the most populated country. And population is still being increased at the exponential rate. The increasing number of population ~~gradually~~ degrade environment by exploiting the natural

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setting of an environment.

At the end of 2000, world had 6m population, till 2024, population was 8m and it is expected to increase by 9m at the end of this century.

US Population Sensus 2024

### B. Excessive Deforestation

In order to fulfil the growing demand of population, state has to use to facilitate the population by cutting down the trees to accommodate the population. However, more than deforestation is done illegal and unregulated by the government.

Pakistan has 5% of forest cover area.

Global forest Watchdog 2023

### C. Rapid Urbanization

More numbers of people from remote areas are moving towards developed cities like Lahore and Karachi for better opportunities and education. As, people do not have sufficient opportunities at their cities, due to which the places

of urbanization is increased.

"More than 56% of population was urbanized in Pakistan in 2023 only."

United Nation Development Program Report 2024.

#### D. frequent use and reliance on hydrocarbons

Pakistan is a country, where hydrocarbons are still being used at the rising rate.

Because it is cost effectively available.

and switching to renewable energy source is very expensive for the government as well as for an individual.

Moreover, government has taxed the renewable source of energy such as solar panels.

"Pakistan merely gets 5% of <sup>renewable</sup> energy."

From Pakistan Energy Council Report 2023

#### E. Outdated techniques for solid waste management

- most

70% of population live in the developing or under developed region in the Pakistan, where solid waste is still not managed properly. It is managed by the local through open dumping. Due to

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many gases such as carbon dioxide and nitrogen gas produce and pollute the air and degrade the environment.

~~Pakistan has potential to produce 5% of energy from organic waste.~~

~~Tribune~~

#### ~~F. Rapid Industrialization~~

~~Owing to China-Pakistan Economic Corridor, the process of industrialization is aggravated in Pakistan. Due to which industry produce harmful gases and also degrade the environment of Pakistan.~~

~~More industries need large land areas to operate. Pakistan being a relative less expensive country, enterprises are shifting in Pakistan from China. Such as OPPO.~~

~~Example:- Saindak Mining and Recu Dig mining degrades environment~~

~~G. Excessive use of weapons due to national security and war hysteria created by neighbouring countries.~~

~~Excessive use of weapons also~~

rephrase and connect it to the topic directly

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degrade the environment. Such a war-like condition created by Tadri after every 2-3 years. And presence of Taliban in Afghanistan soil provide existence threat to Pakistan by targeting Pakistani civilian and paramilitary personnel. They regularly produce dangerous gases that affect the environment.

More than 230+ military operation against Taliban Terrorist in KPK Province in 2024 alone.

DG ISPR 2025

### 3. Remedial Measures for Sustainable Environmental Rehabilitation.

#### A. Developing Sustainable Urbanization process

Talibans need to create sections that are sustainable and equipped with all environmental needed resources. Such as Green Spangle cities in which rain and flood factors will be ~~get~~ <sup>unclear</sup> future home domestic use. Initiatives like these must be encouraged by the while creating a new project.

Example: China's sponge city in Shanghai.

### B. Implementing reforestation policies

NGO and individuals must be encouraged to tree drives, and the government should provide facilitation, and funds and equipment to the NGOs, to ensure smooth process of reforestation and effectiveness. Moreover, government also need to create reward points for the deforestation to be illegal in those areas.

"100,000 plantation drive by Edhi foundation in 2021. in Karachi city."

- Edhi foundation 2022.

### C. Effective Solid Waste Management Approaches.

Waste should not be thrown in open dumping. State local government need to have effective and trained staff to collect the waste and there should be adequate number of transportation vehicle to carry out the collection process. Moreover, recycle waste must be segregated and remaining waste must be decomposed through incineration process, landfill and composting in those areas where there is no population.

#### D. Educating people over increasing population issues

Educational institution must be allowed to educate people especially those who are married to produce ten number of children due to scarcity of resources and other population-related issues. Seminars and workshops must be given to them so that population is controlled.

Example: China's one child policy

#### E. Encouraging renewable energy sources

By this way, use of fossil fuel will be decreased and less environmental degradation occurs. like less air pollution, smog and fog in the city will happen if there is excessive use of renewable energy. People should be encouraged to purchase Electric Vehicle instead of fuel and Diesel cars.

#### F. Adopting sustainable Industrial Process

Industrial must be forced to adopt green technology that produce less carbon emission. A robust mechanism and regulatory body must be created to keep checks and balances and pay

suggestions are vague and generic. add specific recommendations and given examples/case studies of other countries

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conducted work to the industrial operation to evaluate whether environment friendly practices are followed or not.

#### G. Effectively Implementing Sustainable Development Goals.

Palestine need to follow the steps of Sustainable Development Goals as prescribed by the United Nation, so that ion have is contributed in the environment. Compliance with SDGs must be mandatory in every business and human activity.

#### H. Seeking International Cooperation

By asking financial resources from friendly countries, Palestine can control and mitigate its environment related issues.

#### 4. Conclusion

To sum it up, Palestine is most affected country due to climate change and global warming as the environmental degradation activities done within Palestine. Palestine can effectively control this issue if there is a desire to protect the nation from more environmental-related calamities. Timely action can save Palestine from Holocaust.