

Q What are the main causes of the energy crisis in Pakistan? What measures do you recommend to address it?

### INTRODUCTION :

The growing risk of electricity and gas loadshedding put Pakistan into the grave. It not only affecting development, industries, education etc but also slowdown the ~~the~~ entire progress of the nation. Pakistan government should take action against the problem before Pakistan get into more deeper crisis.

### CAUSES OF ENERGY CRISIS :

Some of the causes of energy crisis are :

- 1 Line losses
- 2 Electricity theft
- 3 Domestic wastage
- 4 General wastage
- 5 waste of energy by industrial sector
- 6 Energy ~~crisis~~ shortage

## 1 LINE LOSSES :

one of the main reason for energy crisis is line losses. Pakistan is facing this issue because of resistance of the conductor, which leads to a energy crisis.

## 2 ELECTRICITY THEFT :

Another main reason for energy crisis is electricity theft. It is common in every region of Pakistan. In Fiscal year 2022 and 2023 Pakistan losses 380 Billion rupee due to electricity theft and it may reach to 580 Billion rupee at the end of next year.

## 3 DOMESTIC WASTAGE :

Another factor for energy crisis is domestic wastage. Domestic wastage is excessive use of energy in households. In Pakistan there is about 45% energy wastage in domestic. In Pakistan people switch on unnecessary lights, fans etc even when not in use can lead to energy loss.

#### 4 GENERAL WASTAGE :

Another reason for energy crisis is general wastage. General wastage is excessive use of energy in Government offices, road etc. In government offices they use unnecessary lights fans and when they close office the light and fan are on all night unnecessary. Street light are on all day which can lead to energy crisis in the country.

#### 5 WASTE OF ENERGY BY INDUSTRIAL SECTOR :

Another factor for energy crisis is waste of energy by industrial sector. It is because industrial sector are using old machinery for the production of goods which consume more energy. They did not shift to a new machinery which ~~can~~ consume less energy. By using old machinery and high energy consumption may lead to energy crisis.

## 6 ENERGY SHORTAGE :

Another reason for energy crisis is Energy shortage because by excessive use of energy, electricity theft, machinery of high consumption of energy lead to energy shortage.

## EFFECT BY ENERGY CRISIS :

Some of the effect by energy crisis are :

1. Routain life
2. Industries shifted.
3. Education distruption
4. Economic Impact
5. Reduce National growth.

## 1 ROUTAIN LIFE :

One of the main thing effected by energy crisis is routain life. There is 8 to 10 hours of electricity and gas loadshedding in cities and 12 to 14 hours in villages. Due to excessive amount of loadshedding ~~at~~ everyone's daily routain is effected.

## 2 INDUSTRIES SHIFTED :

Another main thing that is effected by energy crisis is that industries are shifted from Pakistan to other countries like Bangladesh, ~~Sri~~ India etc. Because they are giving facilities to ~~in~~ industries and there is no such energy crisis.

## 3 EDUCATION DISRUPTION :

Another main thing that is effected by energy crisis is education system. Student get difficulties in completing their assignment on time. Education institutions are also struggling to maintain conducive learning environment because of energy crisis.

## 4 ECONOMIC IMPACT :

Another main thing that is effected by energy crisis is economy. Due to shortage of energy the production is decreased and the cost of production is increased. Projects are not completed on time due to that economy is effected.

## 5 NATIONAL GROWTH:

Another factor that is affected by energy crisis is national growth of the country. Due to energy crisis industries are producing less products. Industries are heavily rely on energy. Energy crisis also affect the total GDP of the country.

## SOLUTIONS:

Some of the solution of energy crisis are:

- 1 Invest in renewable energy
- 2 Promote public transport
- 3 Mark area where energy leakage

## 1 INVEST IN RENEWABLE ENERGY:

one of the main solution to solve the energy crisis is invest in Renewable energy. Pakistan should not only rely on fossil fuel such as gas, coal etc. Pakistan should invest in renewable energy such as solar, hydro and wind. Pakistan has rich hydro power resources. Pakistan can

generate 60,000 mw approximately through hydro power. Pakistan can also generate 5000 mw through wind ~~energy~~. Pakistan can also generate energy through solar because of the availability of sunlight throughout the country.

## 2 PROMOTE PUBLIC TRANSPORT :

Another main point to solve energy crisis is to promote public transport. Transport consume almost half of the fuel or ~~petro~~ petroleum products. Transport consume massive fuel consumption. Government of Pakistan should provide high-end transport to masses. It is the easy way to save fuel. Lack of fuel automatically reduce energy demand.

## 3 MARK AREA WHERE ENERGY LEAKAGE :

one of the main terrible cause of energy crisis. In developed countries they marked the area where is leakage and try to solve it with innovative ways. Pakistan should also do the same to solve the problem of energy crisis.

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## CONCLUSION :

God has gifted Pakistan with a variety of energy resources. There is a need of proper planning and policy. Once the proper policy is made then Pakistan would not only have enough energy to utilize but we would be among exporters.