

Topic:

Is Pakistan's Energy paradigm compatible with emerging global needs?

Outline

1 Introduction ✓

Thesis statement: Pakistan's energy model is based on ancient traditions still using and depending on non-renewable resources which are neither climate friendly nor cost-effective. Instead, it is also in-efficient and unable to meet the global energy production and distribution system.

2 Pakistan energy sector and its policies

2.1 In-efficient production
 and shedding in summer seasons upto 6-8 hours in urban and 12 hours in rural areas

2.2 In-efficient distribution and recovery ✓

DATE:

DAY

a) Case study: line losses i.e. in
peshawar and other districts electric
bill recovery is 10-20%.

b) 30% of energy produced is
lost in distribution (Ministry of Energy)

Enrichment of data is good thing

2.3 Short term policies:

TPPs: capacity payment and fuel
adjustment.

2.4 Non-renewable source dependent

a) Producing 56% of energy through
thermal energy.

2 Circular debt of government and
expensive for consumer

a) Pakistan energy circular debt reached
2398 billion rupees.

b) Highest energy price for
consumer in Asia.

3 Global standards and innovation in energy sector

3.1 Renewable energy sources

a) Hydel, solar and wind energy

3.2 Climate friendly energy production.

Case study: Japan will convert its

viche and transport to
 electricity upto 70% till 2030
 (Japan project 2030)

3.3

Cost-effective and industrial
 friendly.

a) Cheap for consumer

b) less expensive for industries
 to compete global markets.

3.4

Energy production should be
 sufficient to meet the needs
 of country.

4 Way forward:

4.1

Convert non-renewable thermal
 projects to renewable energy
 sources.

Convert coal dependent energy
 projects to thermal energy sources.

4.2

Long term policies and projects.

a) Independent power production

companies agreement should be
 according to national interest.

4.3

Climate and cost effective

4.4

Efficient distribution of energy

a) Reducing line losses

DATE: _____

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4.5 Recovery of electricity bills with
irony policies ✓

5 Conclusion:

"We can make more
sustainable, cleaner and
safer world by making
wise energy choices"
(Robert Alan Stewart).

What we decide today, will
surely affect our tomorrow. The
world is trying and innovating
the new energy resource and
constantly working on it. Pakistan
is still struggling to meet
its energy demands. The old
traditional systems are still in
use for energy production. To meet
the needs of energy is like

elephant in room for Pakistan.
The load shedding in summer
is a horrible dream for

Do not write in pronouns

us. Despite of load shedding,
the price of electricity is
very high. It is beyond the
capacity of middle class person
to pay the utility bills. The
recent price hike in last
two years has broken the
back bone of middle class

man. The non-renewable energy
sources are used that are
expensive and in-efficient. They
are also hazardous for the
environment. The basic commodity

prices are also affected and
sky high. Pakistan energy model
is based on ancient system

that is using non-renewable energy
resources. It is neither climate
friendly nor cost-effective. It is
unable to meet the global

energy production and distribution system that is totally working on the innovation system.

Pakistan has been facing the energy shortage for many decades. The insufficient energy production is unable to meet the requirements of the state. There has been the load shedding for many hours in urban areas, specially in summer. It affects the life of people. The industries face a lot of hurdles for the energy sector. The electricity shortage reduce their growth and production and price of the products also got high as they have to pay the labour is most of the labour is on daily wages and recovery of efficient distribution of electricity bills.

Write with proper exam les

Avoid writing such sentences

is also big problem for the energy sector. Pakistan electricity distribution system is very old and unchanged. "30% of the energy produced is lost due to in-efficient distribution system," Ministry of power and energy. The line losses are big trouble for the country and public. As it increase the burden on the public as well as on the country. Its burden is distributed among other consumers and state. The recovery of electricity bills due burden on the state is Pakistan faces security challenges and unable to collect bills and recovery from the consumer. The recovery of bill from Govt, district of KPK is only 10%.

In addition to above, short term policies has

affected the country's economy. The agreement made by government with IPPs is more terrible. The benefits beyond the capacity and reason have been given. The production company will receive the payment from government of what it has capacity, instead of its production. Such terrible policies are not in the interest of Pakistan. The use of non-renewable energy resources is not according to the modern requirements of state. They are expensive and create pollution in the environment.

Pakistan is producing its energy through most of non-renewable resources. It produces 58.6% through thermal energy, 11% through hydro energy, 8.6% through nuclear and 6.8% through renewable energy.

source Pakistan is still far behind the use of renewable energy resources. The import of fossil fuel for running the energy generating plants is also problem as they are imported on foreign reserves are depleted and they are bought at foreign rate that is too expensive for Pakistan due to its rupee depreciation. The energy as result generated by these plants is very expensive - They also produce hazards for the environment.

Grammar is fine good

The circular debt of the government is also rising because of its in-efficiencies to recover the bill and deal with the foreign companies in dollar. The minister of power division said, 'The agreements with foreign

power producing companies
 dollar is one of the factors
 for producing circular debt, which
 is need of how to review
 it." The price of power for
 the consumer is also too
 high and beyond the
 capacity of the people to
 pay it. The expensive energy
 can never guarantee prosper
 society because industrial sector
 is also disturbed and unable
 to compete with international
 markets for its production and
 sales.

The following are the global
 standards in contrast to Pakistan
 policy and energy models. It
 is the point of focus for
 the global countries to produce
 energy through the re-newable
 energy sources. It is also
 cost effective and also

environment friendly. The new modern technology of solar energy has revolutionized the energy sector. It is cost efficient and beneficial for climate as the needs of the energy are met through the other resources.

China is building its biggest dam on Brahmaputra river in Tibet of 137 billion dollar that will produce the electricity through hydel energy. World is moving fastly towards the renewable energy source.

The climate change has alarmed the whole world to control the emission of harmful gases and use pollution free methods for the energy and industrial sector. The emission of fossil fuels gases is depleting the ozone layer.

The energy modes should be changed to transport vehicles. The electric charge cars are innovating. They are cost beneficial and pollution free. Japan will convert its vehicle into electric charge vehicle upto 70% by 2030. The use of this mode of energy has many benefits like reduction of carbon emission and cost-effective.

The world is adopting cost-effective energy. The world is moving towards cost-effective and cheap energy that is beneficial for industrial sector as result for the economy of the country. The cheap energy produces cheap products that could compete the world markets and produce foreign reserves. The domestic consumer also enjoys the cheap electricity and energy and could

meet the needs of the people. The price of the basic products and food is reduced as the production and transportation charges are cut. The tensions of public to pay the bills also reduced that leads to healthy society.

The production of energy should be sufficient to meet the needs of state. The effective and required energy produces the goods and products upto requirement and industrial sector does not face challenges of delayed production and completion of orders. The world is moving towards globalization where people and markets are interconnected and economy of a country work as

backbone for the country Pakistan

should focus on renewable energy sources and convert the non-renewable plants to renewable energy resource plant.

Avoid writing such loose paragraphs

The power plants running on the coal and fossil fuels should be converted to the hydel and nuclear energy. The solar energy projects by the private companies should be encouraged.

The agreement with the independent power production company should be according to the terms and conditions. The capacity payment should be terminated. The agreements made with our neighbouring

countries should be tried on the barter trade system or local currency exchange.

The climate and cost effective mode of energy should be encouraged and subsidised. The vehicles and transport trucks should be encouraged to transform to electric charge system. Electric vehicle should be encouraged and their use should be made easy by electric charge stations installments.

The distribution system of energy should be upgraded and innovated instead of using old traditional system. The provision of energy also made easy and encouraged. The losses due to distribution system will also be reduced and circular debt for the

Plz write substantive argument

energy losses will be reduced.
 The price adjustment will also
 be settled

The recovery of
 the bill from the
 consumers should be made strictly.
 The areas with low recovery
 should be punished and
 charged with the cases. The
 recovery losses are irreparable
 and cannot be managed
 for a long period of time.
 The stopping of electricity and
 delay of dues payment for
 long period of time should
 be dealt with iron hands.

Paragraphs need proper structuring

cut is short Pakistan is
 far behind the world in
 energy sector and is
 struggling to meet the
 international requirements. The
 challenges faced by Pakistan

in different areas is also difficult. The security issues in construction of projects in remote areas and recovery of bill is reached at alarming level. The ~~expenditure~~ production of energy due to non-renewable energy resource will be rising day by day. The agreement with IPP's is also challenging, to be dealt with care and new agreements with the companies with viewing the international rules is matter of responsibility and seriousness. The country is moving towards solar energy but speed of moving is slow. The electric vehicle policy should be implemented in process but with slow progress. So, very efficient method, strong policies and smart working is necessary to come upto the global energy standard.