

Q. India's green energy push needs to be supported in terms of coal production. Do you agree with the view? Justify your stand in the context of India's energy demand (250 words)?

While India is consistently pushing itself into renewable energy source. But this transition from fossil fuel to renewable energy source can't be in one go. Hence required a slow transition

"The primary consumption of energy in India to be double as the GDP is expected to expand to 8.6 trillion by 2040."

16/10/23.
Saturday

Call us : 9650617807, 9968029039
Blog : www.visionias.wordpress.com

Visit us : www.visionias.in
Email : ajay.visionias@gmail.com

- Why coal production?
- ① Becoz it contributes to almost 60% energy production till date also. Hence we can slow down the production but cannot phase out it completely.
 - ② Initial production for Renewable Energy sources are neither the less supported by fossil fuel/ Coal production only.
 - ③ The electricity energy which we get, cannot be completely phase out from fossil fuels energy. Because they have their own disadvantages.

Disadvantages of Renewable Energy:

- 1) Renewable Energy like Solar, Wind etc are not consistent as it depends on climate and Nature.
- 2) Installation of Renewable Energy source is very expensive Affair and hence required alot of maintenance.
- 3) Technology upgradation is mandatory. As Green Energy includes @ Technology at most.
- 4) Awareness regarding Green Energy should be at grassroot level also.

Sources of Energy in India by installed Capacity:

Coal = 61%.

Renewable = 13%.

Hydro = 15%.

Natural Gas = 9%.

Nuclear = 1%.

Call us : 9650617807, 9968029039

Blog : www.visionias.wordpress.com

Page 44 of 57

Visit us : www.visionias.in

Email : ajay.visionias@gmail.com



Then to back the Green Clean Energy, coal production is necessity. Hence Coal production will always be a part of energy basket, As transition takes time.

But Yes, to control Coal production energy Government have taken some steps recently. like

Haryana Government initiative - No car day on Tuesday
Government can come up with odd & even days.

Super Efficient Equipment programme (SEEP)

Qo Discuss how Delhi Declaration adopted recently during the Global partnership on AI summit found middle path b/w promotion and regulation of AI (250 words)?

The Global partnership on Artificial Intelligence (GPAI), an alliance of 29 members, has adopted the New Delhi Declaration.

And this has come in contrast with the agreement of UK Bletchley Declaration, where countries 1st try to tackle the issues with AI.

But GPAI introduced by India adopted a middle path b/w promotion and regulation of AI.

Artificial Intelligence (AI) is the most significant and emerging technology in context to the today's world. Hence ignoring it or banning just because of its disadvantages may not be good idea of any developing country.

GIPAI will create a global framework on AI including Democratic values, Accountability, Transparency, IPR, privacy, security, and at the same time fostering innovation, and Trust.

Applications of AI :-

1. Healthcare Sector :-
 - For patient care
 - Diagnosis
 - Analysis of data
 - Prediction of diseases.

2. Agriculture Sector :-
 - Agriculture pattern
 - At the time of Harvesting
 - Sprinkler for fertilizer
 - Data Analysis, Soil quality.

3. Defence Sector :-
 - At Border lines
 - Drones, Surveillance
 - Cyber security etc.

Challenges of AI :-

- 1) Privacy and Security Concerns.
- 2) Biased & Discrimination
- 3) Job displacement.
- 4) Absence of Any legal framework.
- 5) Data is also considered as Gold. Hence Cyber security, hacking issues.

But India in GIPAI has given a middle path by not only avoiding the emerging Technology like

AI but also given a framework and solution¹⁰ in tackling with problems like Deepfakes, misinformation etc spread by AI.

- They promoted equitable access to AI
- They considered AI in Agriculture as priority.
- They ensure more focus on low and middle income countries
- Promotion of Technology in various sectors.

Hence AI as a technology will be catalyst in economic growth but at the same time mitigation regarding disadvantages have to be taken care of.

Hence "Responsible AI" should be the Motto.