

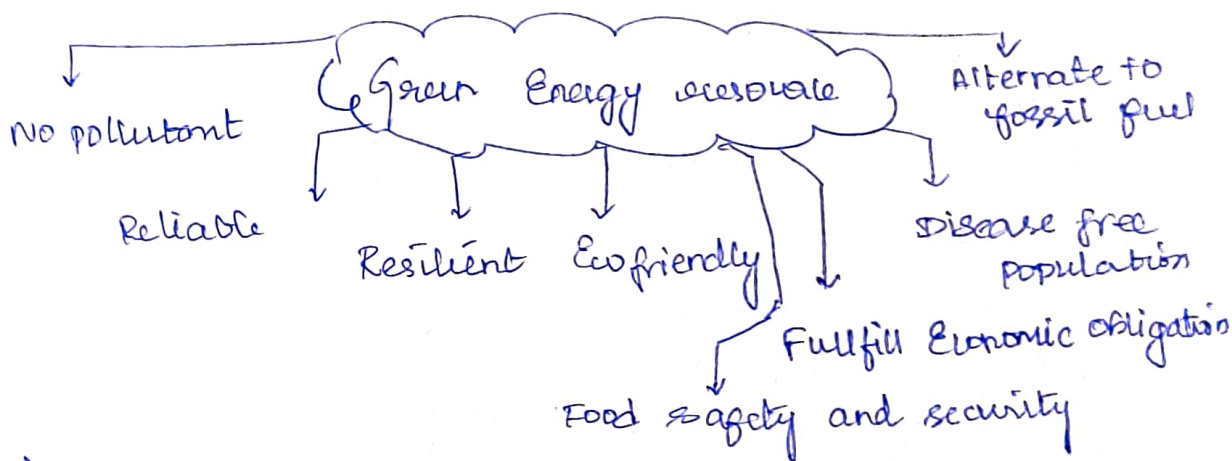
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Concentration of knowledge relating to Green energy source is a major challenge in generating Renewable Energy.

Green Energy vs Climate change:

Our world faces huge impact on climate change which was attributed by increased global temperature of 1.5°C with the pre-industrial level, which was primarily due to the usage of fossil fuel and historic exploitation made by Imperial powers.

Mitigation for the Thrust of Economic growth:



→ India have pledged to increase the renewable electricity generation in the recent Glasgow summit of COP26, which was currently have 12% of renewable energy mainly concentrated on Hydroelectricity generation.

→ Green Energy is the best alternative source to prevent man-made mass extinction with transfer of technology from developed countries under the initiative by UNFCCC.

→ Developed countries are made from the resources of under developed and developing countries, whose potential now reduced thus makes the investment or exploitative patenting in resource of another country. eg: Patent of Indian Neem and Turmeric

Measurement of knowledge of Green Energy

→ China though called as a developing nation shows highest patent on renewable energy ~~sect~~ technology due to the reduced time period for patenting i.e., 8 months where as in India (42 months on average) by Economic Survey 2021-22

Potential area: China > USA > Germany | - order of Patent

→ Geographical advantage of the country to generate more renewable energy: Eg: Nethaland - tidal power

1. Solar - Marusthali region (under use)
2. Wind - require higher acreage
3. Hydropower plant - Induced Earthquake

→ concentration on technology act as a strategic geopolitical tool. Thus India's research and technology funding need to be boosted from 0.9% of GDP to the world average of 6%.

→ Healthier Memorandum of understanding have to be developed for the Infrastructure development.

Eg: Infrastructure and Technology Transfer (MOT) with Japan

→ Carbon credit for the effective emission reduction through technology and financial aid can be given.

→ Global alliance for solar grid by Indian Initiative have huge potential for sustainable and equitable greening of Energy

Way forward:

Too much of knowledge and too much of resource may lead to autocracy on Global Economy, with geopolitical strategies and cooperation with nation may lead to equitable distribution and sustainable progress as a single tree cant make an Island.