

India needs to expand its energy baskets and re-strategize its energy policy by adopting a more integrated approach. Discuss (200 words)

With India pumping towards 5 trillion economy energy has become a major concern. The twin challenge is more energy and clean energy. India cannot be depending on fossil fuels like coal and petroleum for energy.

Need for expanding energy basket, and re-strategizing approach :

1. Coal has become one of most wanted resource for all developing nation. Hence there is a scarcity of coal to meet up demands. Eg: Coal scarcity in India.
2. OPEC countries have started to drill oil less than demand needed for high profit.

3. Currently the countries have limited strategic reserves to store fossil fuels.

Eg: India - Reserve of around 75 days

4. At least diversification of resources will help to manage the crisis times.

What is the solution?

Integrated Approach must followed to meet up the energy demands.

1. Focusing on cleaner energy sources like Solar, Electrical and Biomass is a suitable method to diversify energy demands.

2. Solar is an area where India has started to lead world through initiatives like International Solar Alliance, large solar parks like in Rewa and Kamudhi.

3. Biomass is another area where India has started to explore bullish

Eg: Ethanol mixed petrol, Ethanol based economy, Bio CNG vehicles.

4. Electric Vehicle usage must increase

Eg: FAME 2 scheme

5. On the whole India has adopted 100% FDI through automatic and no approval route for renewable energy.

6. In the lines of steps, India has also re-strategised her approach by revising ambitious targets in COP 26

Eg: 50% of Non fossil fuel usage by 2030

Net Zero Emission by 2070

Some issues are last mile connectivity, storage etc.

Thus being 4<sup>th</sup> largest renewable energy generating nation India has already re-strategised her path of diversifying the energy baskets which can manage crisis