

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

SOURCE: IE - SIA - 17-11-21 - Env - De-carbonization

उम्मीदवारों को इन मार्जिन में भी लिखना चाहिए

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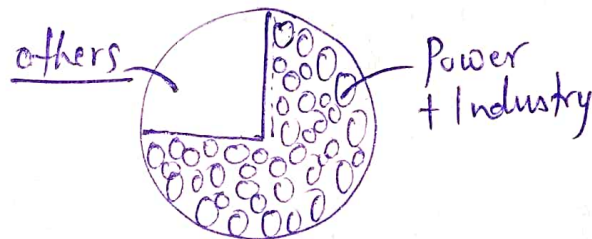
Q. India needs long-term planning processes for de-carbonization of economy. Do you agree with this view? Comment (200 words)

Ans

India as a fast emerging economy, faces the twin challenges of fulfilling of its commitments for de-carbonising the economy on the one hand and on the other hand, meeting the country's rising energy demand.

In COP26, India set target of net zero emission by 2070, has highlighted the importance of long term planning for decarbonizing the economy.

India is third largest emitter of carbon in the world. India's $\frac{3}{4}$ part's emission is contributed by two sectors - Power sector and Industries.



It will be necessary to transform the economy and its sectors, businesses have a pivotal role to play in this. Their actions, resources, capacity to innovate, and greener reach are vital to swiftly decarbonise sectors, infrastructures value chains and the products and services they provide.

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Small steps climb big mountains -

A coordinated strategy for decarbonizing the economy efficiently and effectively will be required as follow.

(A) Need of technical credible agency like Climate Change Committee (CCC) - UK to settling the interim targets and monitoring progress.

(B) Greater utilization of renewable in our energy mix should be our policy objective to achieve decarbonization.

(C) The decoupling of emission and growth was driven by schemes like Ujala for household lighting, PAT for industry, efficient street lighting for cities, solar pumps for farmers, e-vehicle centric transportation, clean energy instead of fuel energy etc.

Way forward -

To achieve net zero emission targets by 2070, not only long term planning but also inter-state and inter-ministerial collaboration needed. India should adopt emerging technologies such as battery storage and small modular nuclear reactors to fulfill the targets.

Hence, I am agree with the view of long term planning processes for de-carbonization of economy.