

The impending cooling demand transition in the country provides huge potential and so energy efficiency is crucial to adapt to climate change. Discuss (200 words).

As the climate changes with the rise in global temperature India is and will ~~experience~~ be experiencing lots of heat waves. Heat waves have caused around 12,400 deaths in India. To fight these heat waves people seek for cooling facilities.

Huge Potential to tap: - The impending cooling demand is expected to create a huge market in coming years.

The demand for sustainable cooling and healthy and environmentally safe Air conditioners are ~~to~~ expected to grow.

Keeping this in mind "India Cooling Action Plan" was launched by Ozone Cell of Ministry of Environment, forest and Climate Change.

This huge market could tap potential in all areas like infrastructure, Research and development as majority of investments in future are behind cooling technology which are yet to be developed.

Energy efficiency importance: As the demand and potential keeps raising it is important to address the energy efficiency areas also. A study says that

Air conditioner usage is expected to be 10 times greater than now in next 20 years. Energy efficiency plays important role because a paper published in Environmental Research letters shows the importance of it [Area of Study: Delhi]

Eg: → Most of households (around $\frac{1}{3}$ rd) are not aware of energy efficiency Star programme

→ Further some houses are using assemble coolers

→ Around 43% of household use ACs and 39% use coolers.

The study further adds that every 1° increase in cooler could save 6% of energy. Thus it shows the efficiency of energy usage important to deal with climate change

Some obstacles in adapting:

→ Lack of awareness about Star labelling efficiency programme

→ Cost of energy efficient ACs/Coolers being high

Thus the ~~policy~~ "India Cooling Action Plan" designed in lines with UNFCCC policy to mitigate climate change and other measures like subsidised financial incentives, adoption of efficient technology will address energy efficiency.