Climate report unlikely to lead to extra efforts

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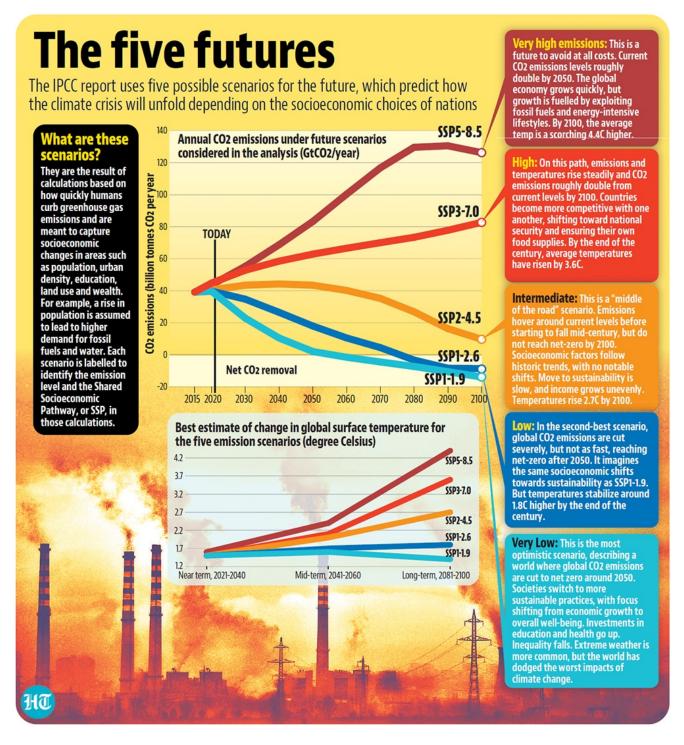
The Intergovernmental Panel on Climate Change (IPCC) report on Monday, which said that extreme weather events have increased due to the rise in carbon emissions and the planet will reach 1.5 degrees Celsius warming threshold much earlier than anticipated, may not result in higher ambition at the Glasgow climate conference in November, said experts on climate change negotiations.



India and China, the world's two biggest emitters have opposed net zero, saying it would go against the United Nations Climate Framework that provides for differentiated responsibility among developed and developing world and equity to carbon space.(AP | Representational image)

IPCC's Physical Science Basis report, the first of its three sixth assessment report, tells the world that oceans could rise by 1-2 feet even in one of the better scenarios (it considered five) by turn of this century, and heat waves occur 14 times as often if warming touches 2 degrees C.

"The report tells us, we have a small window to act," said Govindasamy Bala, professor at the Center for Atmospheric and Oceanic Sciences in Indian Institute of Sciences, Bangalore, and one of the lead authors of the report.



The report clearly mentioned that limiting temperature rise to 1.5 degree Celsius by turn of the century is becoming beyond reach. "Earlier, we had given 20 years for 1.5 degree temperature rise, now it is 10 years," he said, adding that carbon emissions have already increased the temperature by 1.1 degree Celsius in the last 100 years. So, the world has window for only 0.4 degree C.

To ensure that window remains open, Bala said the five scenarios presented by the report clearly show that there is no longer an option of a peaking year (when a country's carbon emissions would peak) available with the planet to save it from dramatic danger of climate

change.

"We have to go for emission reduction and that is net zero," he said.

In the net zero concept, the world, as a whole, theoretically, will stop emitting carbon dioxide by 2050. A country will be able to emit carbon equal to the carbon sinks it has and the amount of carbon credits it can buy.

Several European countries such as France, United Kingdom and Sweden have brought law to achieve net zero by 2050 and many others are on way to have similar laws.

However, India and China, the world's two biggest emitters have opposed net zero, saying it would go against the United Nations Climate Framework that provides for differentiated responsibility among developed and developing world and equity to carbon space. Net zero, they said, would impose binding restrictions on the developing world, which is historically not responsible for the problem of climate change.

Sunita Narain, director general of Centre for Science and Environment (CSE) said net zero was zero gain for developing countries as it would benefit the rich world, which has already exhausted its carbon space, and the developing world would continue to suffer in the absence of free technology transfer. "This report from global scientists must be a wake-up call. We can no longer lose time in prevarication or in finding new excuses not to act—including empty promises of net zero by 2050," she said.

Bala, however, said climate science supports net zero as the world cannot look at 2 or higher degree C climate scenarios anymore. "We have to aim for 1.5 degree temperature rise. Time to first allow emissions to rise and then reduce is not there."

A senior environment ministry official, who has been part of the climate negotiating team for long, said the IPCC report will not alter India's climate negotiating strategy. "It is clear to us and several other developing countries that the Glasgow conference is to make Paris agreement operational. That will happen," the official said. He added that the review of the target under the Paris climate deal would happen in 2023-24 and anything before that would depend on enhanced climate finance by the developed world.

Climate talks have got more impetus in 2021 with appointment of John Kerry as US President Joe Biden's special climate envoy. Kerry, since taking over in March, has visited several important countries for climate talks including biggest carbon emitters after United States, China and India. The US is keen to have higher ambition for Paris agreement, which becomes operational from January 2022.

Kerry was in New Delhi in April 2021 for three days, but environment ministry officials said former environment minister Prakash Javadekar was very clear that the net zero concept was alien to the Paris agreement.

Dr. Arunabha Ghosh, CEO of Council on Energy, Environment and Water, said, "Given that India is one of the most climate-vulnerable countries, we must recognise that even geographically faraway climatic changes can have consequences for our monsoons and intensity of extreme events. India should nudge the international community to capitalise a Global Resilience Reserve Fund to help lower the peaks of climate risks for the most vulnerable countries and create an insurance cushion against severe climate shocks."

ABOUT THE AUTHOR

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