

Net Zero Emissions

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In news

Recently, Indian Railway has set a target of becoming a 'net zero' carbon emitter by 2030

What is net zero-emission?

- Net zero-emission means that **all man-made greenhouse gas emissions must be removed from the atmosphere through reduction measures**, thus reducing the Earth's net climate balance, after removal via natural and artificial sink to zero
- With this humankind would be carbon neutral and global temperature would stabilise
- The IPCC demonstrates in its most recent report of 2018 that net emissions must be reduced to zero in order to stabilize global temperatures
- The report also states that any scenario that does not involve a reduction to zero will not stop climate change.
- As per environmentalists, the later this goal is reached, the higher the negative emissions need to be

What are the negative emissions?

Negative emissions means reducing the amount of carbon by capturing it, extracting it from the environment and storing it in a safe place. This is commonly known as carbon capture and storage (CCS)