

India needs RE from various sources in order to meet COP, 26 commitments. Elaborate

India has set ambitious targets at the UNFCCC COP-26, in the name of Panchsheel principles - India has a wide variety of sources to meet the goals.

Goal ① Reducing carbon emission by 45%.

India has kickstarted BS-6 norms, The B-20 program has to be prepared by 2025 and mandated automakers to make flex fuel engines.

also for the construction sector which emits 6% of CO₂ globally. green buildings standards have been laid. Using variable Refrigerant Flow, the cooling needs of the buildings can be taken care of.

Goal ② 50% Energy from Renewables

India has a potential renewable sources

apart from solar and wind.

The energy from ocean such as tidal - 12 GW
wave - 40 GW, ocean thermal energy conversion

OTEC - 180 GW. The deep ocean mission
is in pursuit.

Also, geothermal energy of potential 10 GW
and, Biomass - 7000 MW as India produces
500 million tonnes of biomass annually.

Goal ③ - ~~50% energy from~~ Non fossil fuel

The upscaling of existing nuclear power
plants - from current 7400 MW to 22000 MW
can help achieve 500 GW power from non
fossil fuels. The Koodankulam, Jaitapur power
plants are vital.

Goal ④ & ⑤ Remove 1 billion ton of CO₂ & Net zero

Accelerating Carbon capture utilisation and
storage technologies and improving green
cover can help achieve the goal

The targets with proper intervention
and support can help attain climate goals.