



The Kigali Agreement

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DEAL TO CURB USE OF HFCs

WHY IT WAS NEEDED

- HFCs, climate-damaging refrigerants, are used in air-conditioning, refrigeration, foams and aerosols as replacement for many ozone-depleting substances (ODS)
- ODS are being phased out under the Montreal Protocol (MP) of 1987
- Phasing out ODS is important to protect the stratospheric ozone layer
- Stratospheric ozone layer filters out harmful ultraviolet radiation, which is associated with increased prevalence of skin cancer and cataracts
- HFC is not ODS, but its global warming potential is thousands of times that of carbon dioxide
- So, the global community wanted the use of HFCs also to be curbed under MP
- Agreement in Kigali is meant to amend the MP to bring the HFCs' phase-down within its ambit

197 Parties (196 countries plus EU) agreed to the deal in Kigali, Rwanda

WHAT IS AGREED

- Agreed to an amendment to include HFCs' phase-down under MP (Unlike Paris Agreement, MP is legally binding)
- It will come into force from Jan 1, 2019
- Creates three categories of countries with different schedules and timetables for reduction

- 1** Developed countries led by the US, Japan and West European nations.
- 2** Developing countries like China, South Africa, Brazil among others.
- 3** Developing countries like India, Iran, Iraq, Pakistan among others.

HFCs' PHASE DOWN SCHEDULES

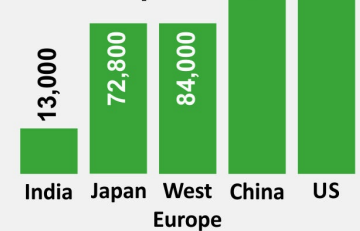
Category	Baseline	Freezing	Max % reduction
1	2011-13	2019	85% by 2036
2	2020-22	2024	80% by 2045
3	2024-26	2028	85% by 2047

- Freezing year is the year when use of HFCs will peak before being rapidly scaled down and finally phased out altogether
- Baseline years are the years for which the average production/consumption quantity of HFCs is taken as the upper limit—so it serves as a level

Implication for India as per the agreed schedule

- 1** India will reduce the use of HFCs by **85% by 2047** over the 2024-26 baseline
- 2** Its production/consumption of the HFCs is to be reduced beyond 2028
- 3** So, India can use HFCs for another 12 years before it starts phasing them down

Status of HFCs consumption



Consumption data for the year 2014 in MPTA