

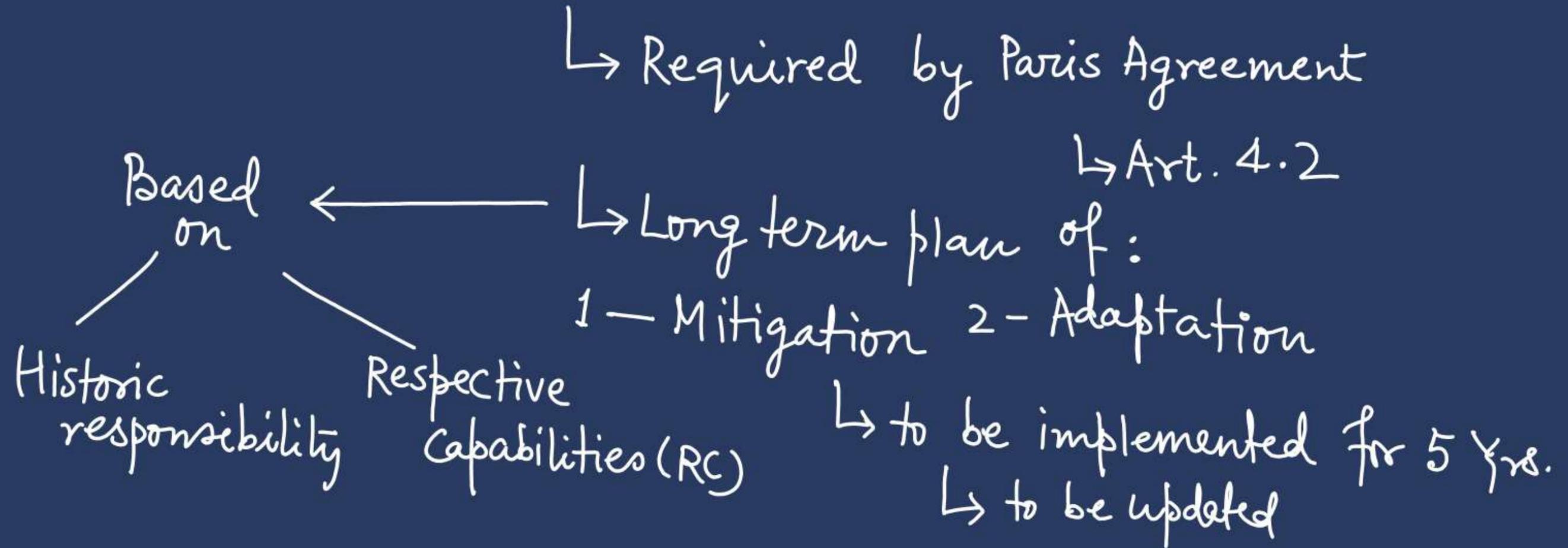
Climate Change

Class: 4

India's Efforts to Deal with
Climate Change

- 1) NDC (Nationally Determined Contributions)
- 2) Panchamsit & LIFE
- 3) India's Net-Zero Target
- 4) Biennial Update Report
- 5) NAPCC (Legacy Topic)

(1) Nationally Determined Contributions



History for India

2015 - Before Paris Conference (COP-21)

- Released INDC (Intended NDC)

↳ 2016: After full membership of Paris Agreement:

↳ INDC \Rightarrow NDC
Converted into

Original NDC

8 Goals

3 Quantitative Targets (for the year 2030)

Carbon Intensity

Reduced it by
33-35% compared
to 2005

2022 UPDATE

same as
above
In Panchamrit → 45%

Carbon
Sequestration

Additional Carbon
sink of 2.5-3 GigaT
of CO₂

upto 4 GT of
additional sink

Renewable
(Non-fossil fuel)
Energy

40% of total
energy consumption
based on non-FF

50% of total
energy from
non-fossil fuels.

(2) Panchamrit & Lifestyle for Environment

LIFE

During COP-26, Glasgow

(2021) → announced by
India

⇒ 5 climate pledges:

- (1) 500 GW of non-fossil fuel installed capacity
- (2) 50% of all power needs to be met by non-FF sources
- (3) Reduce CO₂ emission by 1×10^9 Tonnes
- (4) Reduce emission intensity by 45%.

2030

(5) By 2070 → Net-Zero

Total Emission = Total Sequestration

LIFE

Promotes: - Environmentally sustainable lifestyle

Individuals

Communities

- Create a global movement connected
by social media tools eg. App

Meu LIFE

[3] Roadmap to Net-zero

7 pillars

→ Handwritten Notes

(4) Biennial Update Records

- Required by UNFCCC for Non-Annex I parties
- During COP 17 (Durban), 2011 → Decided to be implemented

• India

I → 2016

II → 2018

III → 2021

Main points of BUR-III

→ Emission Intensity →
Reduced by ~24%

→ 2.8 Billion Tonnes CO₂
emission (Energy → 75%)

Electricity

Transport

→ Non-fossil sources → 38% of
installed capacity.

(5) NAPCC (PDF)

2008 Adopted

8 National Missions

- Solar Mission
- Sustainable Agriculture Mission
- Energy efficiency mission
- Water Mission
- Himalayan Ecosystem Mission
- Green India Mission etc.