

India is rated high on climate vulnerability. Mention the reasons for the same and suggest efficient ~~for~~ adaptation and mitigation measures.

8:19 PM

India, owing to various geographical, economical and cultural reason is rated high on vulnerability due to climate change.

Reasons for high climate vulnerability

(1) Geographical:

- (a) India has a coastline of over 7500 km, making it vulnerable to sea-level rise
- (b) More than 20% of India's 1.3 Billion population lives on coastal areas.
- (c) Himalayas are the source of many rivers in India → provides water for drinking, industrial & agricultural use.

(2) Economical

- (a) 49% of Indians are directly dependent on agriculture, which is rainfall dependent
- (b) Around 50% of agriculture is rainfed.
- (c) Developing country = less money to spend on climate mitigation & adaptation

(3) Cultural, social, political

- (a) Low literacy & awareness level.
- (b) politicians focus on 'caste' more than real issues like climate.

Threat due to vulnerability

Hazard + vulnerability → can lead to disaster in India

12% vulnerable to floods
68% vulnerable to draughts.

Mitigation & Adaptation Measures

(1) NAPCC : National action plan on climate change is the flagship plan of government of India. 5mp components

(a) National Solar mission

(b) National mission on sustainable agri

(c) Enhanced Energy efficiency

(d) water mission

(e) Green India

(2) National Disaster Management authority to prevent Hazard becoming a disaster due to high climate vulnerability

(3) International initiatives like : ISA, UNCCD, UNFCCC etc. to prepare India better for future.

(4) Intentionally determined commitments → 'nationally determined'
→ 35% emission reduction
↳ 40% renewable energy target
↳ 3.5 Tonn Carbon Sink.

INDC's

Thus, keeping in mind our high climate vulnerability India cannot afford to adapt itself for it.

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220 words