

Floods

Intensity

According to Global Climate Risk Index
India ranked 7th worst but country
in extreme weather related events. Asian
Development Bank says that 50%
of climate related events in India
is due to Flooding. And CWC
reports that there were 1800 deaths in
2020.

Issues

Due to geo climatic and socio
economic situations. Firstly irregularly
rainfall pattern and house no of stems.
Then Urbanisation, deforestation, due to
Population growth.

Case study :-

India state of forest report suggest
that Almost all North East states have
Seen reduction in forest cover.

Another example is Early arrival
of Monsoon in Assam, due to Climate
Change. Lumding - Bardaspur railway line

witnessed damages due to poor
Safety norms (depreciation) during construction.
Besides, increasingly diluting EIA,
forest acts, allows corporates to
disproportionately exploit nature which
acts a barrier to disasters.

Economic losses.

Over the past 6 decades we have
suffered a loss of ₹4.5 billion
and states are facing fiscal management
pressure in dealing with disasters like
flood.

Way forward:

Though we have huge history of
flood related losses there's no
concrete measures.

First implementation of NDMA
guidelines on Urban Flooding 2010.

Then CRZ notification for better
management along coastal region.

Followed by climate resilient buildings
and relocating people in low lying
area, and eco friendly roads, bridges
railways, transmission lines.

Early warning system, river embankments,
store excess rainfall in lakes by preventing
overflow.

In this context, government needs
to increase its climate action spending
to prevent future losses.