

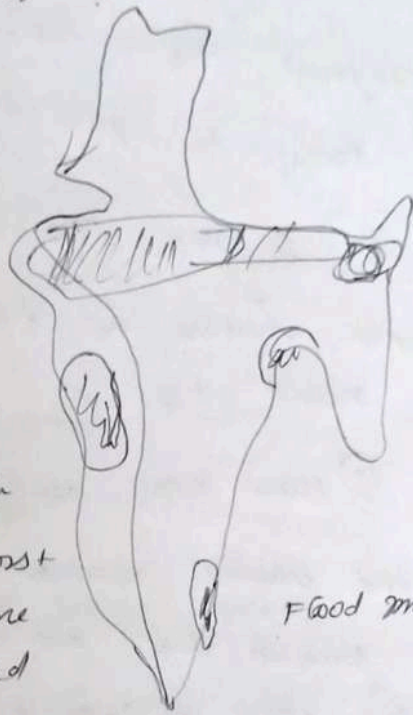
In the context of climate change, India need to
devise long term flood management policies Analysis:

Introduction:

Floods are most recurrent phenomena
in India after cyclones and are amongst India's
most lethal disaster.

It

Global climate report
points out that India is
prone to 7% of disaster
due to rapid climate change
and India ranked 7th worst
hit country due to extreme
weather related events and



Flood prone areas in
India

ADB said that 50% of climate change events in India is due
to flooding.

Causes: due to geo climate, and heavy release of
greenhouse gases in the atmosphere cause climate
change which cause irregular rainfall pattern,
there extreme rainfall causing flooding in many
regions.

The main reasons for flood are
large no. of rivers, urbanisation, deforestation, concrete
floor which won't allow water to penetrate... etc

Case Study:

Recent flood in Chennai causes
many losses - like property, infrastructure, human...
etc

Other examples like Assam, Gujarat, MP, Karnataka
pradesh, Bihar have been badly impacted by the
flood.

Impact of flood:

① Flood pose a serious threat to the
economy, endangering the livelihood of poor rural
household and damage to public and public properties.

② In 1980 Rashtriya Bank Ayoj (RBA)
estimate 40 mn hectares as flood prone which
increased by around 14%.

③ Flood prone areas has caused infrastructure
damage and claimed numerous lives. According to
Central water commission death due to floods increased from
37 in 1953 to 1815 in 2020. And also economic loss
also very huge because of flood.

④ Frequent floods have an adverse
impact on economic development of a country.

⑤ Flood also cause damage to the crops
flood also pose threat to fiscal burden of central &
state govt through spending on disaster mgmt activities.

Way forward:

① It's the time to strictly follow
the NDMA guidelines

② Strict implementation of coastal
regulation zone (CRZ) notification. to admin coastal zone
mgmt issues

③ great spending on building
flood resilient infrastructure, improved flood warning
system and created community awareness programmes

In addition constructing flood shelter in
Coastal district, improving river connectivity and
construction of river embankments -
providing pucca house for poor
households in low-lying areas.