

18/8/22

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① In the context of climate change, India needs to devise long-term management policies?

Introduction - India's geo-climate

& socio-economic condition raised the frequency of floods & flood related damages in states also factors like Deforestation, <sup>irregular</sup> less rainfall are major reason.

### Analysis of Flood impact in India.

① heavy rainfall has caused many casualties - 1,500 - death  
3 lakh + - houses damaged  
307 dist - Crops have been damaged.

② According to Global Climate Index 2021, India is the 7<sup>th</sup> worst hit country due to floods globally in 2019.

③ As per (RBA) estimated that around 40 mha areas were flood-prone in 1980 but it has ↑ by 14% to 45 mha in 2011.

④ According to Central water Commission (CWC) report 2022, death toll ↑ from 37 in 1953 to 1,800 in 2020. in India due to extreme weather events. (floods)

### Reasons of devastating effect of climate change.

① Apart from death tolls, crop damage has also risen over years.

② States such as HP, MP, RJ, MH, Assam are badly affected by floods.

200	240	288	120	118
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casualties registered.

③ The adverse impact of flood also disproportionately ↑ the fiscal burden of central & state govt. due to the spending on disaster management activities.

④ next to cyclone, flood majorly damages the infrastructure like Roads, railways & bridges which in turn affecting the employment opportunities of rural households.

⑤ Occurrence of flood also ↑ the poverty & food shortage due to crop damage & loss of livelihood.

⑥ Similarly urban population too faces the <sup>flood</sup> threat as due to poor town planning & dearth of investment in infrastructure.

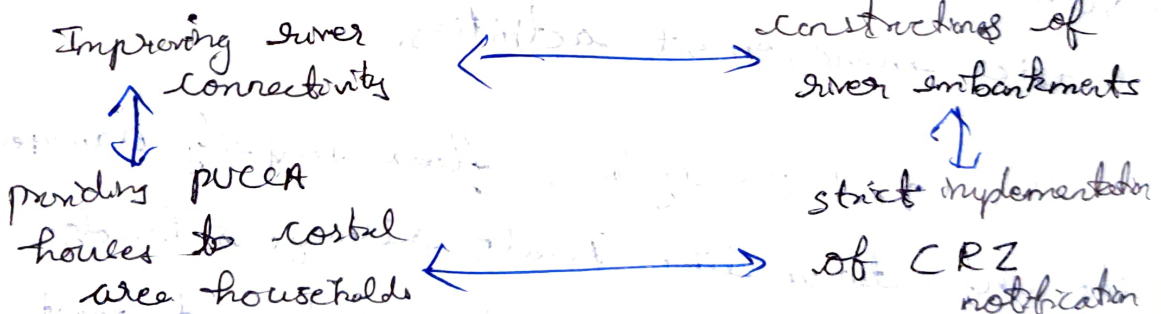
⑦ Most importantly, the flood <sup>damages</sup> has caused a loss of around 5,400 Crore to the Indian economy.

⑧ As per estimates it is around a loss of (0.46%) to GDP thereby affecting the economic development of the country.

Measures to be taken :-

\* Build flood-resilient infrastructure, improve flood warning system & create community awareness programmes

\* Additionally



Conclusion - As

damages & casualties due to floods are rising at staggering pace & due to climate change (floods, cyclone & drought) it must be addressed by our policymakers with a high approach.