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Prelims PYQ, Mains model answers, and copy evaluation. Write to the desk for this paper, a doubt, or the AI waitlist.

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Q18

The Intergovernmental Panel on Climate Change(IPCC) has predicted a global sea level rise of about one metre by AD 2100. What would be its impact in India and the other countries in the Indian Ocean region?

UPSC Civil Services Mains 2023 · GS III · 15 marks · Environment and Conservation

Conservation, environmental pollution and degradation, environmental impact assessment.

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round. This sheet is for revision, not a substitute for the model answer.

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IPCC AR6

Global mean sea level in 2100 spans roughly a few tens of centimetres to around one metre depending on emissions and ice-sheet response.

Sundarbans

Shared India-Bangladesh mangrove; sea-level rise plus reduced sediment already stresses the islands.

Maldives

Atoll State with very low average elevation; freshwater lenses fail before full inundation.

Mumbai and Chennai

Large populations on reclaimed or low coastal land; tidal flooding is already a present problem.

Cyclone surge

A higher base sea level lets the same storm push water further inland on Odisha, Andhra, Bengal and Gujarat coasts.

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