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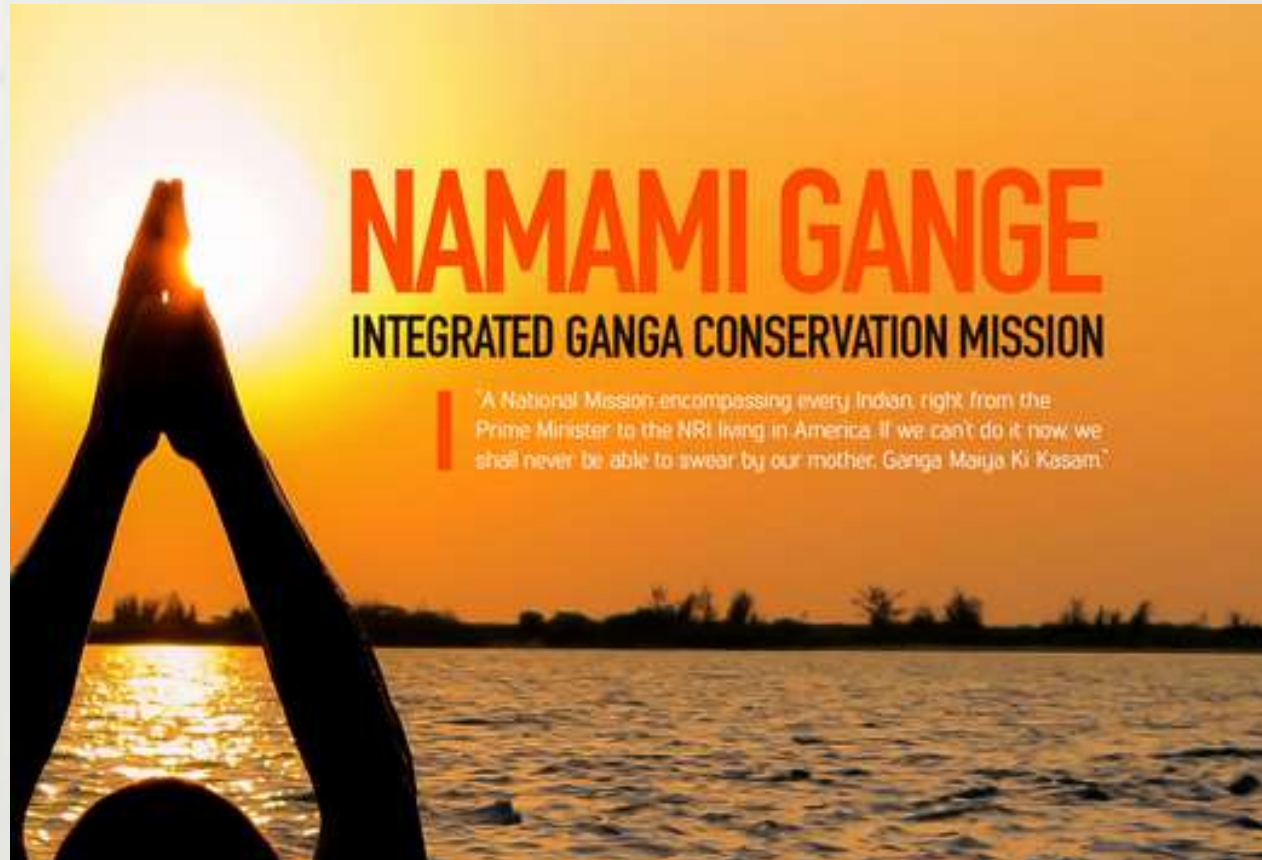
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NAMAMI GANGE PROGRAMME (NGP)

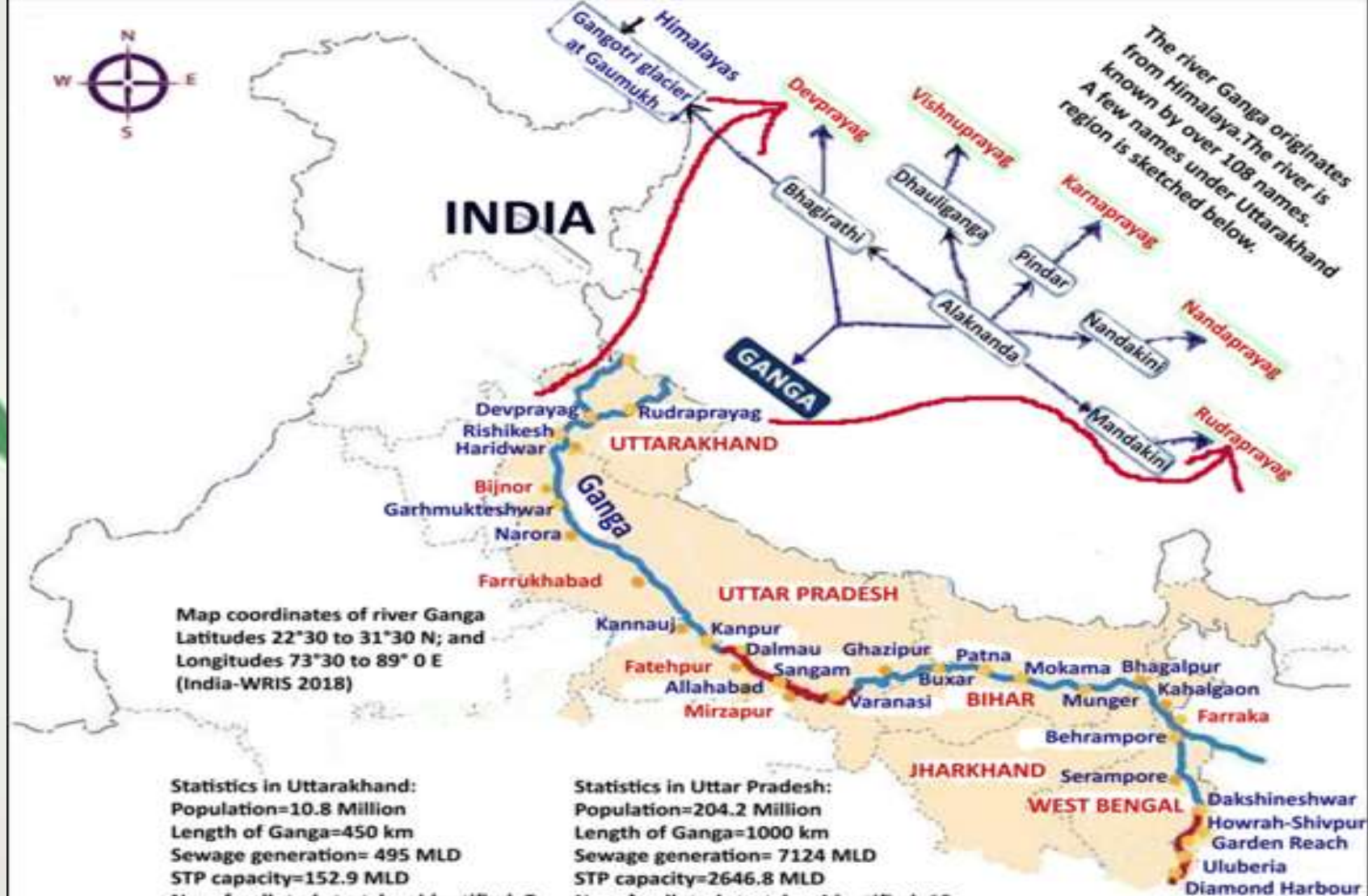


Why in the News?

- According to the latest projections on the Namami Gange Programme (NGP), the installed waste treatment plants are capable of treating just 20% of the sewage estimated to be generated in the 5 major States that lie along the river Ganga.



5 major States that lie along the river Ganga



Note: The total length of the river Ganga is 2525 km. Besides state-wise lengths, the remaining 110 km stretch of the river forms the boundary between Uttar Pradesh and Bihar.

Source: Modified by the authors from the data of CPCB (2018)

About - Namami Gange Programme (NGP)

Objective: Integrated Conservation Mission to accomplish the twin objectives of effective **abatement of pollution**, conservation, and **rejuvenation of River Ganga**.

Phases:

- o Namami Gange Mission- I: 2014-2021.
- o Namami Gange Mission- II: 2022-2026.





Key features of Namami Gange Programme

o Type: **Central Sector Scheme.**

- **Key pillars:**

- Sewerage Treatment Infrastructure,
- River-Front Development,
- River-Surface Cleaning,
- Bio-Diversity,
- Afforestation,
- Public Awareness,
- Industrial Effluent Monitoring, and
- Ganga Gram.

Implementing Agency:

National Mission for Clean Ganga (NMCG) and its state counterparts—State Programme Management Groups.

Namami Gange: Strategic Areas of Intervention



Nirmal Ganga

- Sewerage Infrastructure
- Industrial Pollution
- Wastewater reuse and recycle
- Rural sanitation
- Solid Waste management



Aviral Ganga

- Maintaining ecological flow
- Wetland mapping and conservation
- Floodplain management
- Sustainable agriculture
- Afforestation and biodiversity conservation
- Small river rejuvenation



Jan Ganga

- Riverfront, ghats and crematoria
- Community engagement
- Ganga Run
- Ganga Utsav
- Ganga Quest
- Ganga Amartran Abhiyan



Gyan Ganga

- Water quality monitoring
- High resolution mapping of Ganga stretch
- Microbial diversity
- Aquifer mapping & spring rejuvenation
- Cultural mapping & spring rejuvenation
- Cultural mapping & climate scenario mapping
- River Cities Alliance

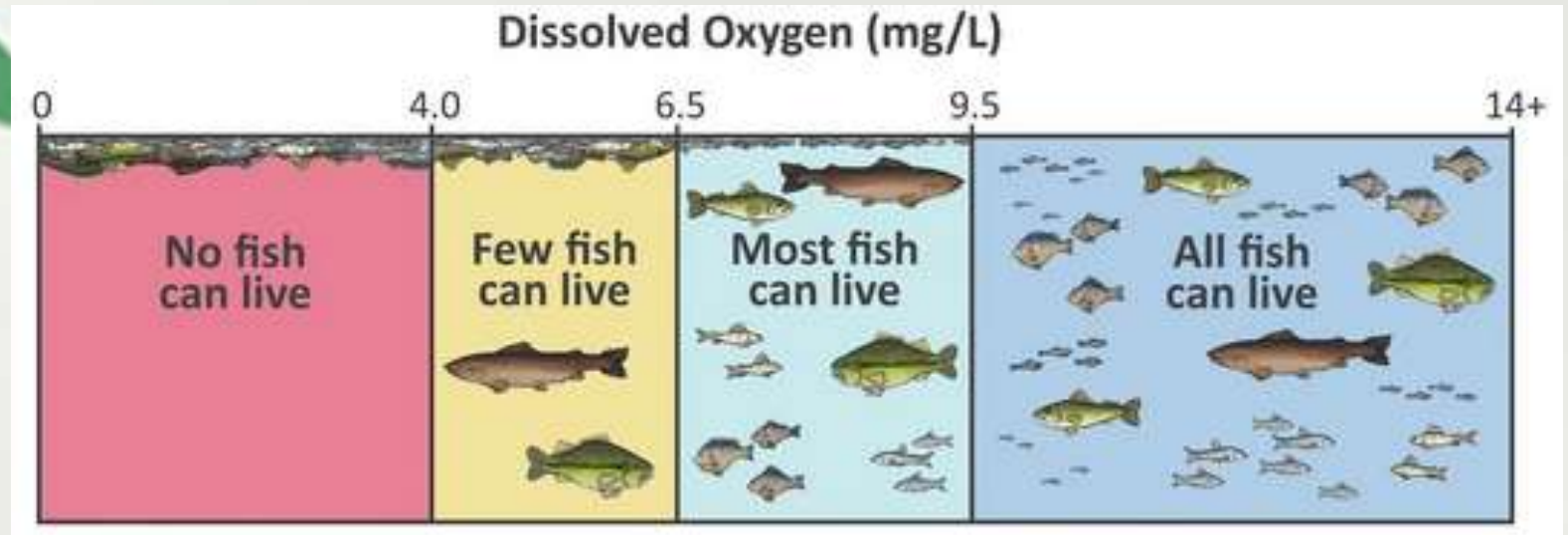


Arth Ganga

- **Sustainable economic development**
- Monetisation of Reuse of Sludge & Wastewater
- Livelihood Generation
- Public Participation
- Culture Heritage & Tourism
- Institutional Building

Achievements of Namami Gange Programme

- **Median value of Dissolved Oxygen** (indicator of river health) has been **found to be within acceptable limits** as per survey **in 2022**.



- **Out of 1072 Grossly Polluting Industries (GPIs) 885** have been **brought under CPCB-Central Pollution Control Board's- Online Continuous Effluent Monitoring Stations (OCEMS)**.



Other Key Initiatives for Cleaning Ganga

- **Clean Ganga Fund:** In 2014, it was formed to clean up the Ganga, set up waste treatment plants, and conserve the biotic diversity of the river.
- **National River Ganga Basin Authority (NRGBA):** It was constituted under the provisions of the EPA, 1986. It has been dissolved in 2016, consequent to constitution of National Ganga Council.
- **Ban on Waste Disposal:** In 2017, the National Green Tribunal banned the disposal of any waste in the Ganga.

Challenges faced by Namami Gange Programme

- **Delay in Implementation of Projects:** Mainly due to factors such as delays in **handing over land**, delays in **getting permission from the National Highways Authority of India (NHAI) and Railways**, etc.
- **Poor financial management:** Only about **14,745cr of funds have been released** by NMCG to **State Governments**, State Missions for Clean Ganga (SMCG), and other agencies till June 2023.
- **States are dependent on the Centre for funds.**



- **Inadequate Sewage treatment:**

Untreated sewage and **substantial industrial effluents** are still being discharged **into the river** or its tributaries. This is **because of the absence of requisite functional treatment capacity.**



- **Governance issues:** There are a **number of authorities at the state and the national levels** which cause **duplication of effort**. There is a **lack of coordination among agencies.**
- **Lack of Participation:** **Not much enthusiasm** is shown **by the private entities and civil society** at large to take extra steps without being dependent on the **government funds.**

Way forward

- **Verification:** The existing and planned sewage treatment plants (STPs) need to be verified
- **Revenue Generation:** Evolve new and innovative ways to generate sufficient revenues for operation and maintenance (O&M) of water and wastewater infrastructure through pricing and valuing water.
- **Restore local storages (ponds, lakes, wetlands):** It should be an integral part of river restoration and conservation strategy.
 - o Start restoring lower-order streams and smaller tributaries in the Ganga Basin.



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