

Tapti Basin Mega Recharge Project

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Why in news?

Recently Madhya Pradesh and Maharashtra signed a Memorandum of Understanding (MoU) on May 2025, to implement the Tapti Basin Mega Recharge Project.

- The long pending agreement was finalized during a meeting of the Madhya Pradesh-Maharashtra Inter-State Control Board in Bhopal.

Tapti River

- **Origin** - Multai, Betul district, Madhya Pradesh.
- **Length** - 724 km
- It flows through Madhya Pradesh, Maharashtra, and Gujarat and empties into Arabian Sea near Surat, Gujarat.
- **Major Tributaries**
 - **Left bank** - Purna, Girna
 - **Right bank** - Vaghur, Panjhra

- **Tapti Basin Mega Recharge Project** - The project involves constructing three canals in the Tapti River, to address the draught of Madhya Pradesh and Maharashtra.
- **Objective** - The project channels river water into the soil and underground aquifers to raise groundwater levels and help farmers access water through wells and borewells.
- **Funding** - The central government will fund 90% of the project cost.
 - The remaining 10% will be shared by the state governments of Madhya Pradesh and Maharashtra
- **Canals** - Three canals that are constructed in Tapti River to divert water are,
 - Right Bank Canal (MP)
 - Left Bank Canal (MP)
 - Left Bank Canal (Maharashtra)
- **Water allocation** - Annually 31.13 thousand Million Cubic Feet (TMC) is diverted and shared between as,
 - **Madhya Pradesh** - 11.76 TMC
 - **Maharashtra** - 19.36 TMC
- **Significance** - It will address water needs in North Eastern Maharashtra (including Nagpur) and provide irrigation support to Southern and South Eastern districts of Madhya Pradesh.
- The **Jamghat Project**, part of this initiative, will ensure water supply for Nagpur city for the next 30-40 years.
- It will boost irrigation for Vidarbha and North Maharashtra.
- **Environmentally friendly** - By adopting a groundwater recharge approach instead of traditional reservoir methods, the project minimizes environmental impact and avoids

displacement of communities.

References

1. [The New Indian Express| Tapti Basin Mega Recharge Project](#)
2. [The Hindu| MP Maharashtra ink MoU for Tapti Basin Project](#)

