

नमो  
गंगे



MINISTRY OF FOREIGN AFFAIRS  
OF DENMARK

भारतीय  
प्रौद्योगिकी  
संस्थान  
काशी हिन्दू विश्वविद्यालय

IIT

INDIAN  
INSTITUTE OF  
TECHNOLOGY  
BANARAS HINDU UNIVERSITY



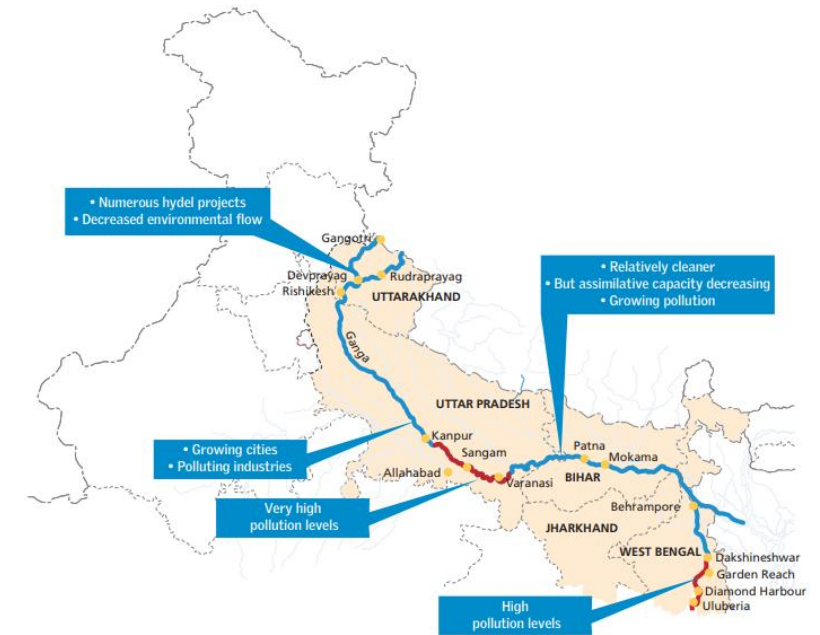
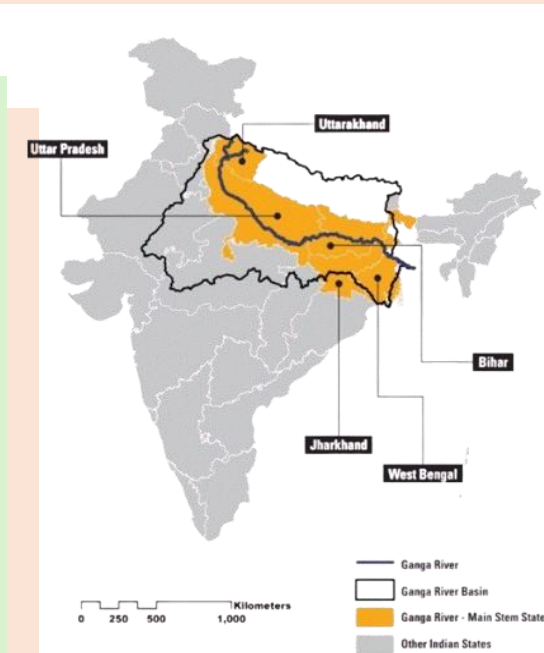
SLCR  
SMART LAB ON CLEAN RIVERS

# Ganga: A Story from Contamination to Rejuvenation



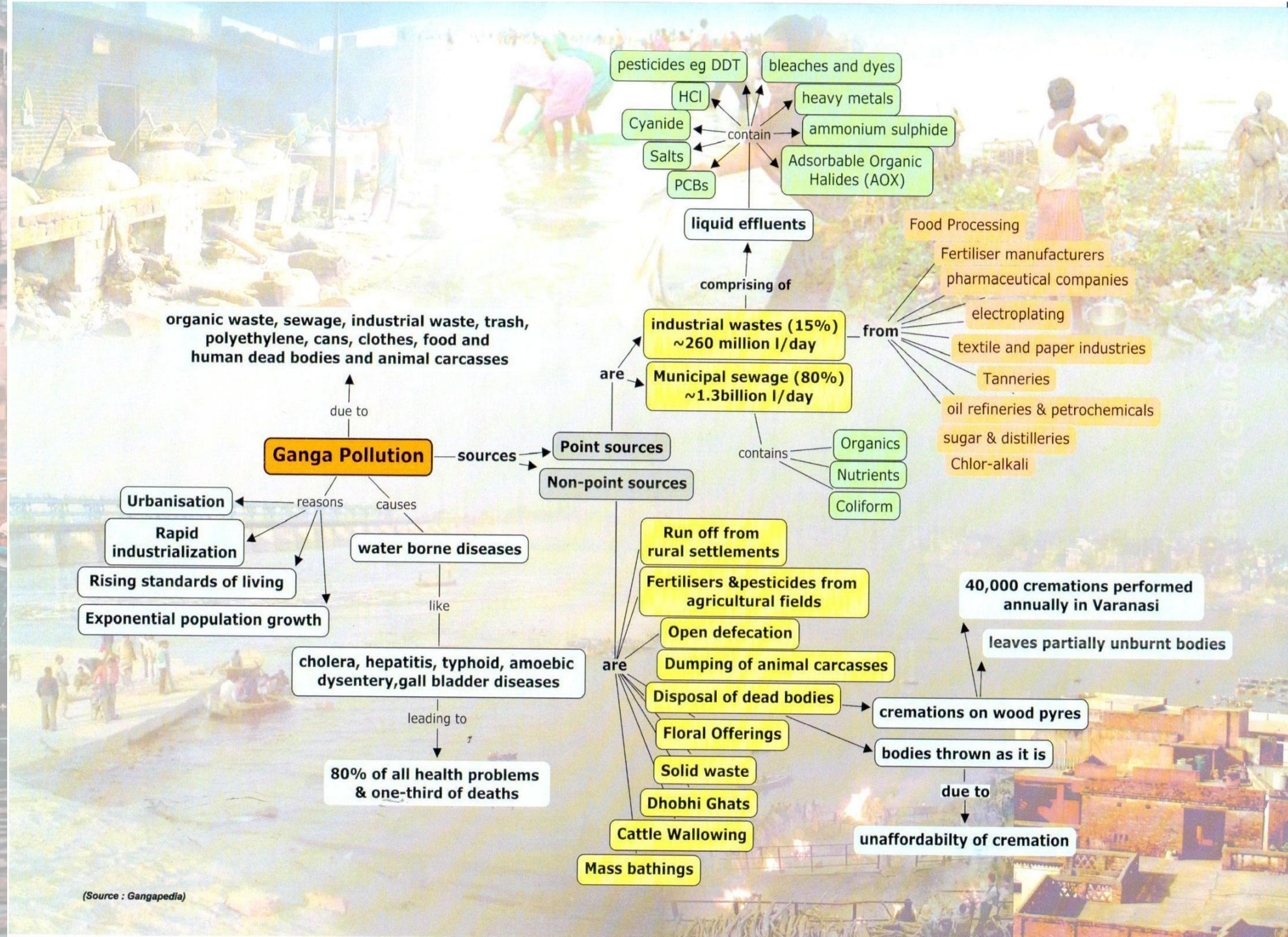
# Ganga River System: Largest River System in India

- ❑ Origin: Gangotri Glacier
- ❑ Length: 2,525 km
- ❑ Catchment Area: 8.61 lakh sq. km (26% of the country's land mass)
- ❑ World's most populated river basin (650 million people)
- ❑ Basin covers 11 states.



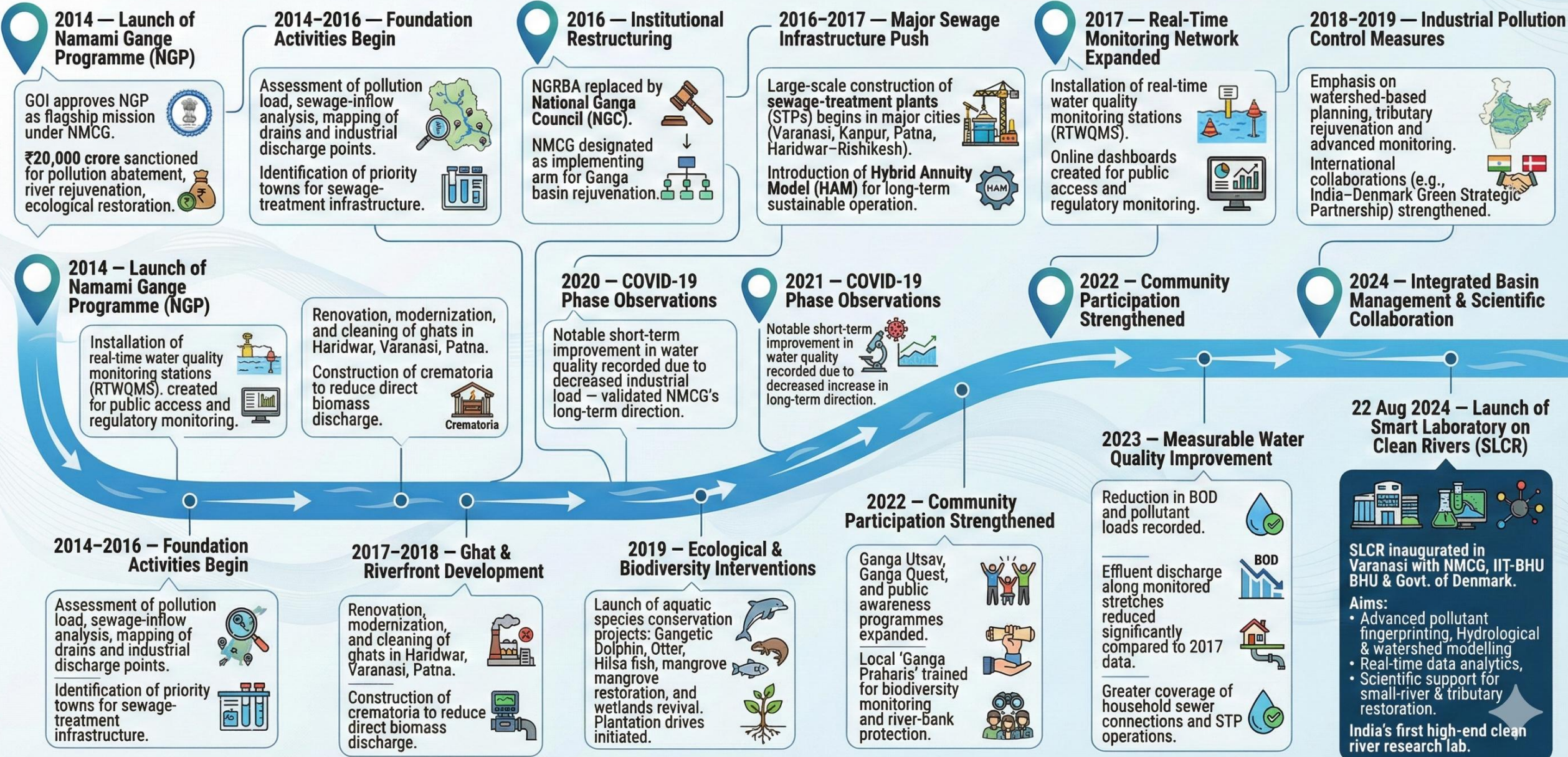
UTTARAKHAND	UTTAR PRADESH	BIHAR	JHARKHAND	WEST BENGAL
450 km	1,000 km	405 km	40 km	520 km
14 drains	43 drains	25 drains		54 drains
440 MLD	3,270 MLD	580 MLD		1,780 MLD







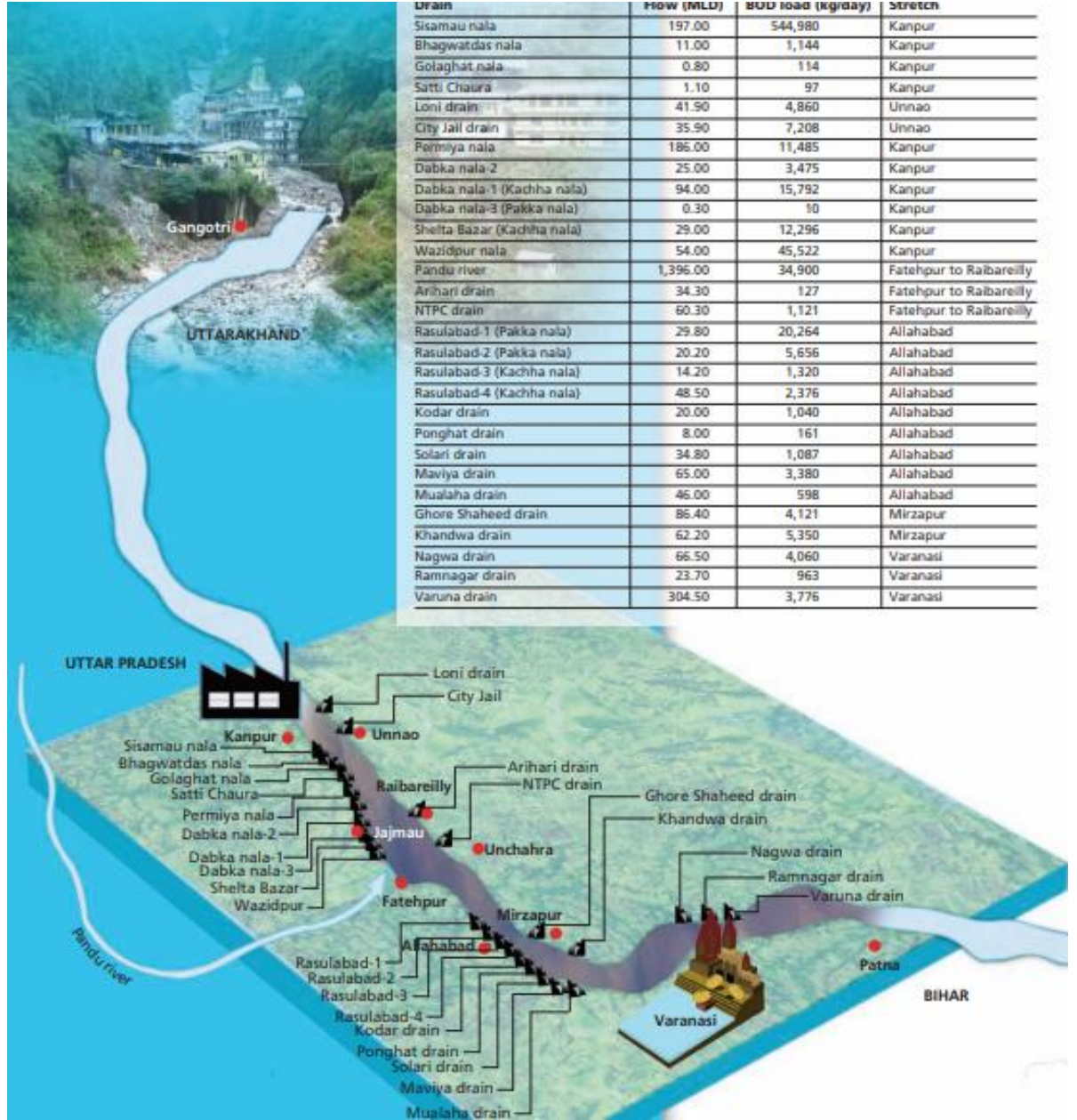
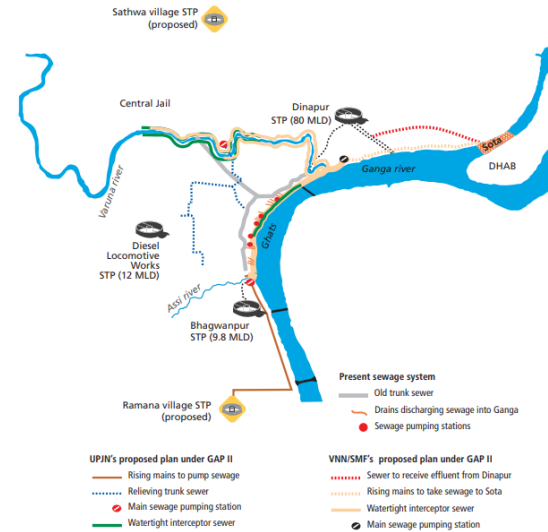
# NAMAMI GANGE PROGRAMME (NGP): A DECADE OF REJUVENATION (2014-2024)





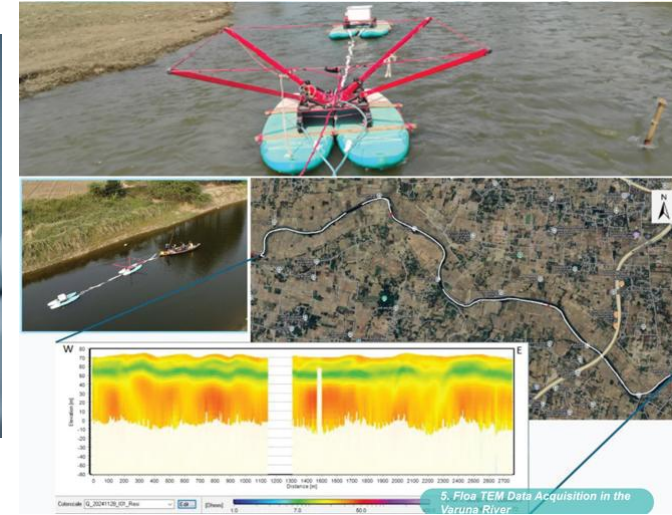
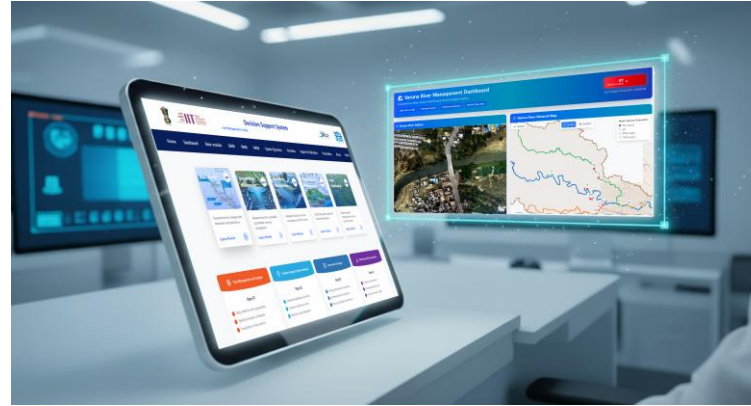


### Varanasi: the river and the sewers





# National Mission on Clean Ganga and SLCR



- **Pollution Abatement (Nirmal Ganga)**: Addressing and reducing the sources of pollution in the river.
- **Improving Ecology and Flow (Aviral Ganga)**: Enhancing the ecological health and continuous flow of the river.
- **Strengthening People-River Connect (Jan Ganga)**: Fostering a deeper connection between the people and the river through community engagement and awareness.
- **Facilitating Research and Policy (Gyan Ganga)**: Promoting diversified research, scientific mapping, studies, and evidence-based policy formulation







# MAJOR ACHIEVEMENTS IN CLEANING RIVER GANGA: A JOURNEY OF REJUVENATION



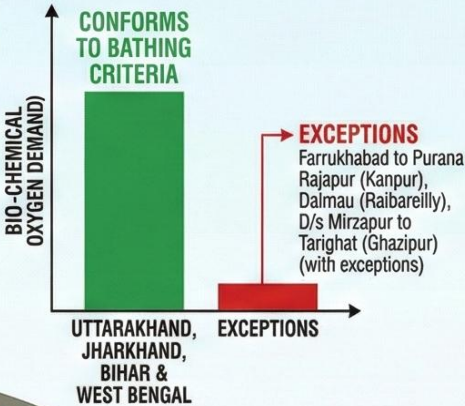
Based on Government Data (2018-2025)



## WATER QUALITY IMPROVEMENT (2025 Data)



pH & DISSOLVED  
OXYGEN (DO):  
MEET BATHING  
CRITERIA AT ALL  
LOCATIONS



## POLLUTED RIVER STRETCHES (PRS) REDUCTION (2018 vs 2025 Comparison)



	2018 POLLUTED STRETCH	2025 STATUS
UTTARAKHAND	Haridwar, Sultanpur (Priority IV) ✓	NO PRS (Improved & removed) ✓
UTTAR PRADESH	Kannauj to Varanasi (Priority IV) →	Bijnor to Tarighat (Priority IV/V) Partially improved
BIHAR	Buxar to Bhagalpur (Priority V) →	Bhagalpur D/S to Khalgaon D/S (Priority V) Marginal pollution remains
JHARKHAND	NO PRS ✓	NO PRS ✓
WEST BENGAL	Triveni to Diamond Harbour (Priority III) →	Baharampore to Diamond Harbour (Priority V) Improved



## SEWAGE TREATMENT CAPACITY BOOST (As of Nov 2025)



TOTAL SEWAGE  
GENERATION (5 States):  
**10,160 MLD**

AVAILABLE STP CAPACITY:  
**7,820 MLD**



UNDER CONSTRUCTION:  
**1,996 MLD**  
(to bridge the gap)



NMCG SANCTIONED  
PROJECTS (Last 5 Years):  
**69 PROJECTS**  
COST: ₹11,741 CRORE  
CAPACITY CREATION:  
**2,161 MLD**  
(2021-22 to 2025-26)



### PHYSICAL ACHIEVEMENT (Sewage Treatment Capacity MLD)



BIOLOGICAL WATER  
QUALITY (2024-25):  
PREDOMINANTLY "GOOD"  
TO "MODERATE"  
AT 50 LOCATIONS

Diverse benthic macro-invertebrates  
indicate ability to sustain aquatic life.



4

## TECHNOLOGY & INTEGRATED MEASURES



**LiDAR & DRONE SURVEY:**  
Identify all  
discharging drains



**PARAMETRIC  
MONITORING & CCTV  
AT STPs:**  
Physical monitoring  
of operations



**NATURE-BASED  
SOLUTIONS:**  
Wetland rejuvenation,  
Biodiversity parks,  
Flood plain restoration



**NATURE-BASED  
SOLUTIONS:**  
Wetland rejuvenation,  
Biodiversity parks,  
Flood plain restoration



**URBAN RIVER  
MANAGEMENT PLANS:**  
River sensitive Master  
Plans for cities



**CENTERS OF  
EXCELLENCE:**  
Decision Support System,  
Digital Twin for River Ganga



MINISTRY OF  
JAL SHAKTI

THE MISSION IS CONTINUOUSLY EVOLVING TOWARDS A  
COMPREHENSIVE RIVER REJUVENATION TEMPLATE FOR INDIA.





# THANK YOU

For your shared commitment to a cleaner, revitalized Ganga.

