

CSE Online Impact Workshop cum Master Class

On Capacity building initiative for Citywide Water and Sanitation Management

Theme 2: Faecal Sludge and Decentralized Wastewater Management

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Institutional Presentation: NMCG and CSE partnership on FSSM initiative

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FAECAL SLUDGE AND SEPTAGE MANAGMENT

National Mission for Clean Ganga

Ministry of Jal Shakti

Department of Water Resources, River Development and Ganga Rejuvenation

Government of India

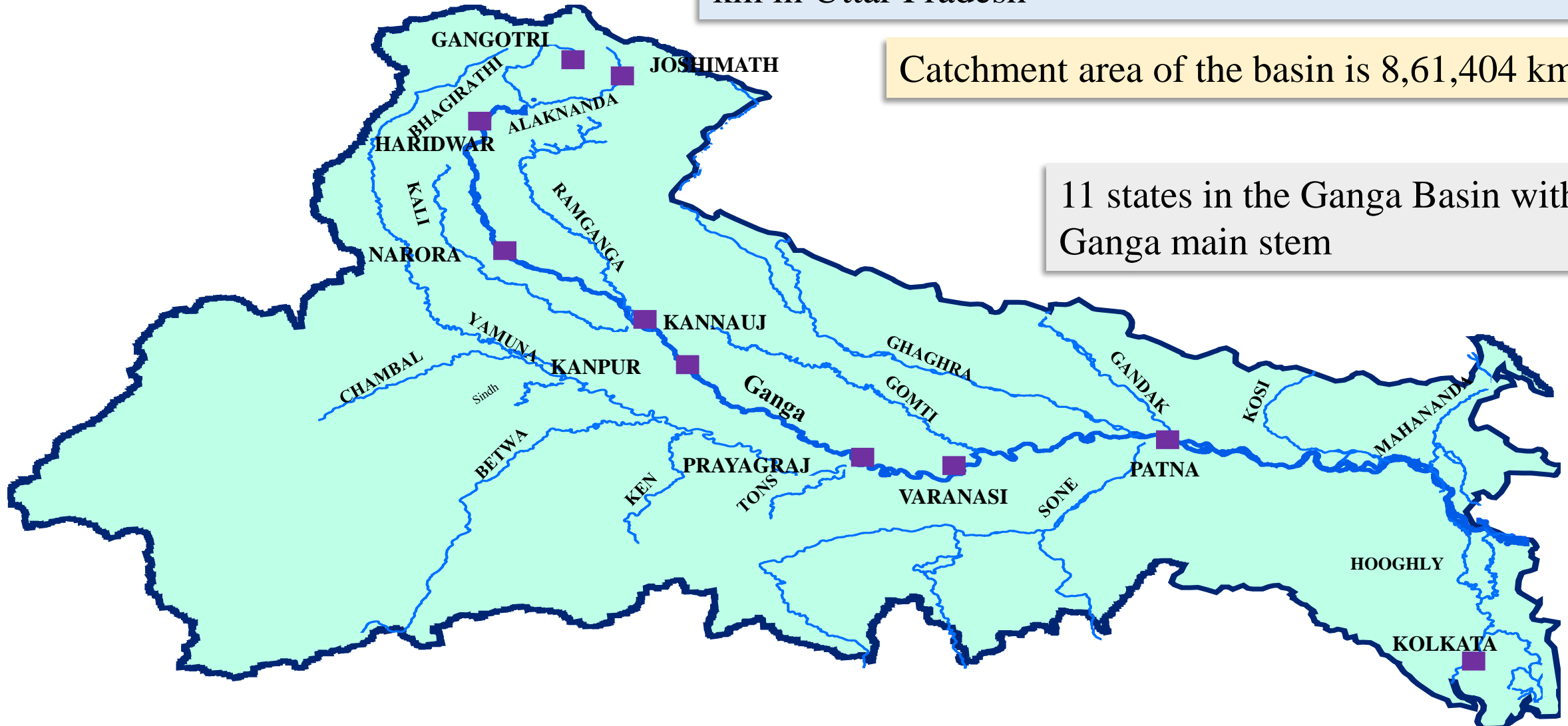
30th June, 2020

Ganga River Basin – Fact Sheet

Total length of river is 2525 km with longest stretch of 1000 km in Uttar Pradesh

Catchment area of the basin is 8,61,404 km²

11 states in the Ganga Basin with 5 on Ganga main stem





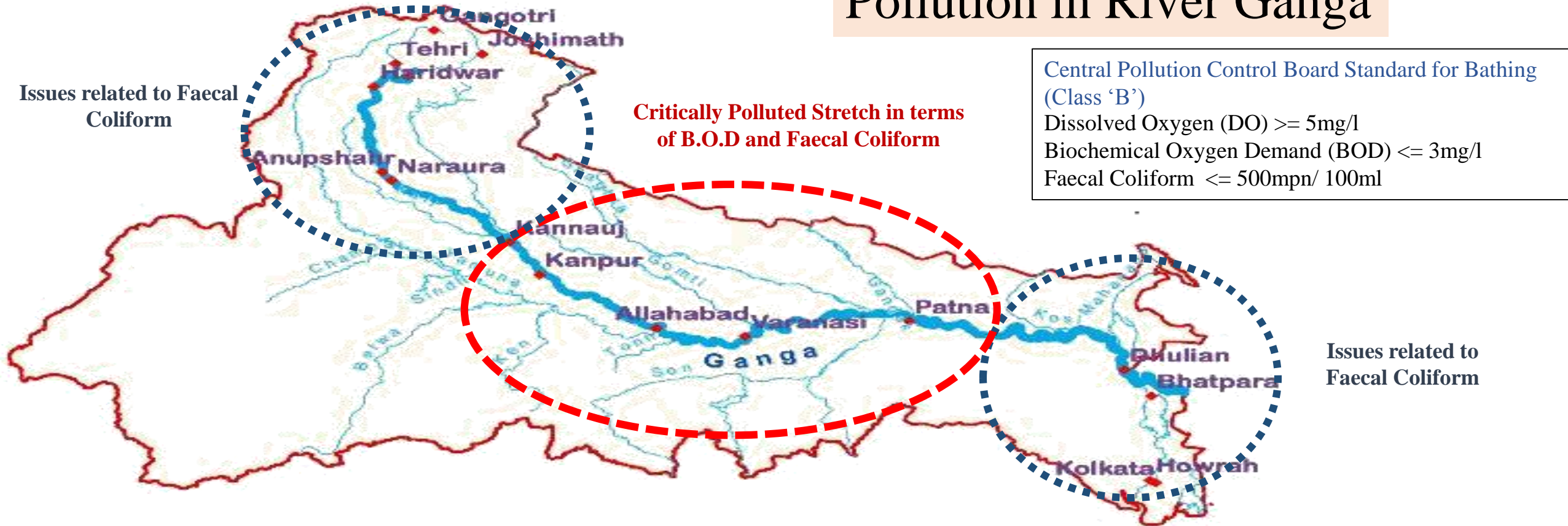
Ganga Basin covers 26 % of India's total landmass

India's 47% population resides in Ganga Basin

Contributes 28% of India's water resources

Habitat for rich Biodiversity

Pollution in River Ganga

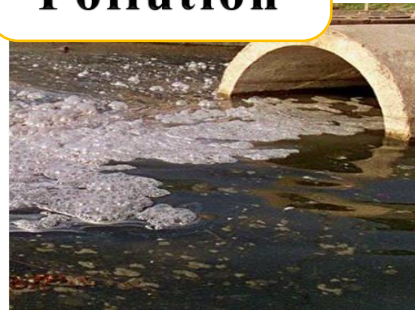


Major Polluters

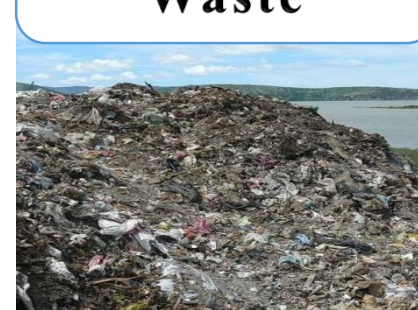
**Municipal
Waste Water**



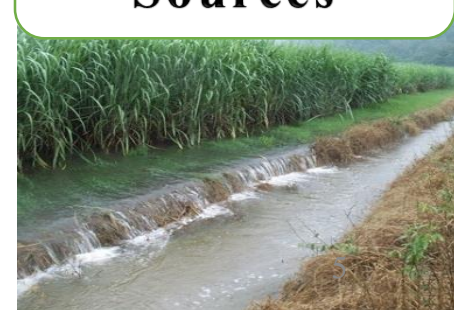
**Industrial
Pollution**



**Solid
Waste**



**Non Point
Sources**



Namami Gange Programme- Components

- i. Nirmal Dhara (Pollution Abatement)**
- ii. Aviral Dhara**
- iii. Water Quality Monitoring**
- iv. River Front, Ghats and Crematoria**
- v. Afforestation & Biodiversity Conservation**
- vi. Policy, Research & Knowledge management**
- vii. Public participation**

Namami Gange Programme- Components

i. Nirmal Dhara (Pollution Abatement)

- ❖ Creation of Sewerage Infrastructure and Sewage Treatment
- ❖ Industrial Pollution Abatement,
- ❖ Rural Sanitation
- ❖ Water Quality Monitoring for ensuring the “unpolluted flow” in the river.
- ❖ Solid Waste Management,

Creation of Sewerage Infrastructure and Sewage Treatment

- Addressed municipal sewage of large towns through networks and conventional STPs, but
- Not effectively the sewage from smaller towns and ever developing townships

Need to include Faecal Sludge Management in the Strategy

Namami Gange Programme- FSM Initiative

- MoU with CSE on 14.09.2018 for providing technical support in mainstreaming Faecal Sludge & Septage Management in Ganga Basin.
- Capacity Building – Training of around 35 officials from NMCG / SMCs / State Executing Agencies through CSE
- Strategy Modification:
 - Promoting Stand alone FSTPs for smaller towns, primarily dependent on septic tanks / soak pits.
 - STPs in larger towns to have provision for FSTP and / or co-processing
- Sanctioned a project for FSSTP at Chunar, UP – Under Implementation

Namami Gange Programme- FSM Initiative

- Sanctioned a project for FSSTP at Chunar, UP – Under Implementation
- 5 STP projects in Bihar & West Bengal to have FSTP / Co-processing
- Existing sewerage system in Prayagraj and Kanpur retrofitted to receive faecal sludge as well and its treatment in existing STPs – Effectively utilized in Kumbh 2019.

Future Course

- Continue to promote FSSM in Ganga basin and other river basins
- Performance assessment of ongoing projects – learning & improvement
- Haridwar Kumbh 2021 – Existing system upgradation to adopt co-treatment
- Capacity building – training / exposure visits to continue