

**Regional workshop**  
**on**  
**Water and Sewage Management**  
**Best Management Practices - Potential & Challenges**

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# About CSE

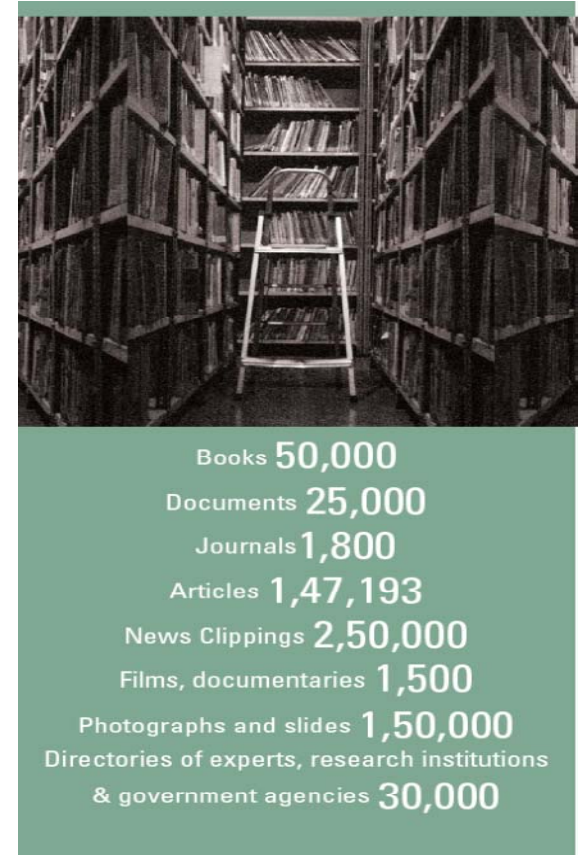
Centre for Science & Environment (CSE): is a Delhi based public interest research and policy advocacy organization set up in 1980.

It promotes **sustainable development with equity, participation and democracy** through –

- **knowledge based activism**
- **policy research combined with public awareness**

and was awarded the –

Stockholm **World Water Prize (2005)** for its policy influence in building new paradigms for sustainable water management.



CSE also currently the -

**Centre of Excellence** in of Urban Development in the Sustainable Water management area (Ministry of Urban Development) for research & capacity building support JnNURM /ULBs

**Nodal centre for training of Regulators** (Ministry of Environment & Forests)

**National hub for knowledge creation and capacity building** (Ministry of Rural Water Supply and Sanitation)



# Background to the workshop

## JNNURM Phase I :

*The aim was to develop **select cities into model sustainable areas** envisaging development of slums, **accessibility to drinking water, sewerage, solid waste management, roads, and street lights.***

Status update –

- with over a majority — about **73% — of projects** sanctioned under JNNURM-I still **under implementation** as on March 2012, and
- the **capacity** of the state and local bodies, such as municipalities, **to plan and implement** these projects **remained poor**
- 5% of the total outlay of JNNURM funds for capacity building but only **10 % of allocation utilisation**



# Shortcomings of Phase I

1. Poor planning process and exclusion of peri-urban areas.
2. Failure to adopt service level bench marks.
3. Lack of adequate capacity.
4. Inadequate differentiation made to suit different conditions of small and large cities. As a result there was variation in inter state completion of reforms (physically and financially).

*Source : Planning Commission Report, March 2012:*



## JnNURM Phase II

- Establish **two smart cities** in each of the 28 **states** in the country in the second phase of the (JNNURM).
- Smart cities would be totally **carbon neutral and energy efficient**.
- Insist on **time-bound action by all states in particular focus on water too be saved and better managed**.



## Phase II will focus on ( and is the need of the hour)

- **Water conservation, wastewater management, solid waste management and rainwater harvesting as specific focus areas.**
- **Wastewater recycling and reusing** - that is completely missing in our water management system.
- **Managerial and policy changes** to handle the water management issues and **community participation.**
- **Capacity building** of the municipal officials **to execute decentralised projects**



## Need for the Workshop on the theme -

- The simple fact that **public water and sewer service is getting expensive** that even rich may not be able to afford
- Urban water **conservation** helps in **lowering costs**, improving the **reliability of water** and waste systems as well as helps achieve **environmental goals** by states and communities.





# Objectives of the workshop

- To generate awareness about the best management practices (BMPs), state of art knowledge and reforms in the area of energy and resource efficiency in urban water management in NE states.
- To discuss with key stakeholders the concept, issues/barriers and experiences in mainstreaming of the reforms related to EE & RE in UWM.
- To explore capacity building support required to implement projects aimed at mainstreaming environmental sustainability related reforms in the NURM schemes.



## Target Participants

The workshop will be attended by key actors involved in urban water management in NE states:

– officials from municipalities, development authorities, SLNA, PMU/PIU, department of urban development / PHED

- NGOs and academics

- Researchers and other stakeholders

those involved in advocacy for sustainable water management in N E Region.



# Key themes to be discussed include

- Centralised / decentralised ( City-Zone- Building)
- **Public / Private**
- Low cost (Natural & Biological) or high cost (techno-mech/chemicals based)
- **Short / Medium / Long term**



## Key themes to be discussed include -

- Co-management of water and energy
- Efficiency & conservation of water-energy resources
- Protection of water quality and acceptable risks
- Cleaning up of polluted rivers and lakes – safe practices
- Recent attempts of water efficiency – water efficiency in buildings incl rain water harvesting and decentralized treatment including reuse/recycle



THANK YOU

