

**Regional workshop
on
Energy and Resource Efficiency in
Urban Water Management**

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About CSE

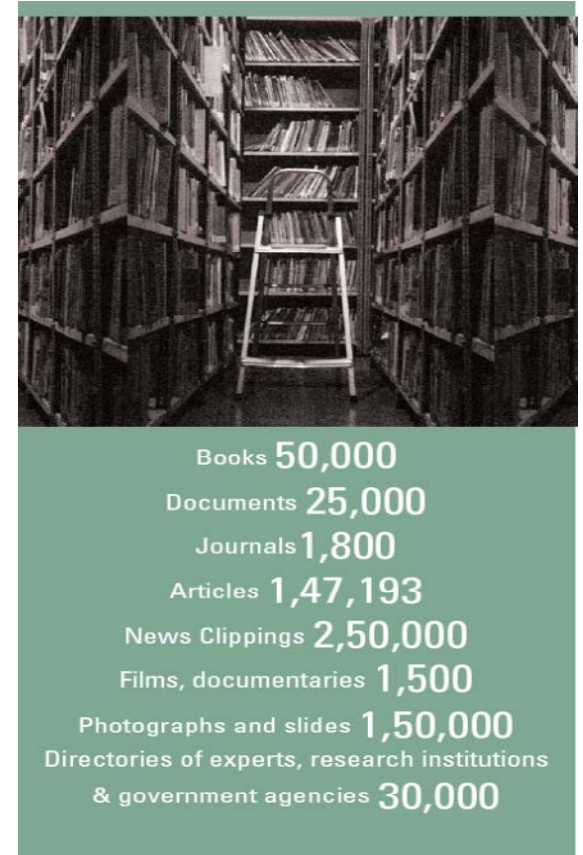
Centre for Science & Environment (CSE): is a Delhi based public interest research and policy advocacy organization set up in 1980.

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 efficiency /conservation, wastewater management, solid waste management**
 - in particular **rainwater harvesting and protection of urban water bodies/lakes 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 / energy and resource efficient projects in UWM.**



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
- Energy and resource efficiency /**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 -

- Co-management of water and energy
- Energy and resource efficiency incl. conservation of in UWM
- Recent attempts of energy water efficiency – energy efficiency in municipal water/wastewater treatment, water-energy efficiency at building level including decentralized treatment of sewage – natural / biological systems
- Protection of water quality and cleaning up of polluted rivers and lakes - acceptable risks and safe practices in reuse/recycle



THANK YOU

