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 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)
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 benchmarks.

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