



**Regional workshop  
'Energy and Resource Efficiency in Urban Water Management'  
August 12, 2013**

Venue: Hotel Ananda Inn, S.V. Patel Salai, Puducherry - 605 001

*Organised by CSE, New Delhi*

Supported by:  
CCBP NURM, Ministry of Urban Development, Govt of India  
Government of Puducherry

Time	<b>Registration (9:30 - 10:00) (Tea)</b>	
<b>(10:00 - 11:30)</b>	<b>Inaugural Session</b>	<b>Convenor:</b> <i>S. Raghunathan, Chief Town Planner, Town and Country Planning Department</i>
10:00 – 10:05	Welcome Address	<i>Dr. S. Sundaravadivelu, Special Secretary, Housing and Town Planning, Govt of Puducherry</i>
10:05 – 10:15	Special Address by Guest of Honour	<i>N.G. Pannir Selvam, Hon'ble Local Administration Minister</i>
10:15 – 10:25	Special Address by Chief Guest – 'Policy overview for energy and resource efficiency in urban water management in Puducherry'	<i>P.R. Meena, Secretary, Public Works</i>
10:25 - 10:55	Objective and CSE presentation	<i>Dr. Suresh Kumar Rohilla, CSE</i>
10:55 - 11:15	Overview of NURM water/wastewater projects: Existing and proposed reforms/BMPs for energy and resource efficiency – target state presentations (Puducherry, Tamil Nadu, Andhra Pradesh, Karnataka, Kerala)	<i>Dr. Mahreen Matto, CSE</i>  <i>Representatives of participating states- S. Raghunathan, Puducherry. Er.S.Amalraj, Tamil Nadu</i>
	<i>Vote of thanks</i>	<i>Representative of CSE</i>
<b>11:15 - 11:30 (Tea)</b>		
<b>(11:30 - 13:00)</b>	<b>Session: Energy and Resource Efficiency in Urban Water Management: BMPs and Case studies</b>	Chair: <i>Dr. S. Sundaravadivelu, Special Secretary, Govt of Puducherry</i> Co Chair: <i>Dr. Suresh Kumar Rohilla, CSE</i>
	Decentralized water management practices for energy and resources efficiency	<i>Dr. Nidhi Pasi, CSE</i>
	Energy efficiency opportunities and challenges in water supply system	<i>Pradeep Kumar, ASE, Bangalore</i>
	Use of soil biotechnology for waste-water treatment	<i>Prof. H.S. Shankar, IIT-Mumbai</i>

	<p>Conventional systems of sanitation for safeguarding water quality</p> <p>Water neutral and energy neutral and low impact urban development in buildings</p>	<p>Dr. R. Beniwale, NEERI, Nagpur</p> <p>P.Z. Thomas, Environmental Engineers &amp; Consultants Pvt. Ltd., New Delhi</p>
<b>13:00 - 14:00 LUNCH</b>		
<b>(14:00 - 17:15)</b>	<b>Technical Discussion: Operational challenges and strategies for mainstreaming reforms in NURM projects</b>	
14:15 - 15:45	<p><b>Mainstreaming Energy &amp; Resource efficiency in sustainable urban water management</b></p> <ol style="list-style-type: none"> <li>1. <i>Brahmanand Mohanty, French Agency for Environment and Energy Management (ADEME)- Closing the loop: Integrated approach to urban water management</i></li> <li>2. <i>Lalit Kishor Bhati, Architect-Urban Planner, Auroville- Sustainable Urban Planning towards people &amp; environment friendly inclusive urban development</i></li> <li>3. <i>Gilles Boulicot, Auroville Centre for Scientific Research-Surface water as a resource: Taking Auroville as an example</i></li> <li>4. <i>Susan Varugese/ Prof. Devi Prasad, Professor, Pondicherry University- Peri-urban water markets as an instrument for managing urban water supply needs</i></li> <li>5. <i>Prof. S. Janakarajan, Professor, Madras Institute of Development Studies- Economics of exploring local water supply options for mega city: Case for Chennai</i></li> <li>6. <i>Prof. G. Poyyamoli / Nandhi Muthu, Pondicherry University- Water footprint for sustainable management of water resources in Puducherry area</i></li> <li>7. <i>S. Manohar, Chief Engineer, Public Works Department- Water supply in the UT of Puducherry</i></li> <li>8. <i>P. Joseph Victor Raj, Director, HOPE- Protection of water and water resources</i></li> <li>9. <i>Mr. V. Radhakrishnan, SGWU-cum-Joint Project Co-ordinator, PWRO, Puducherry- Status of water resources in Puducherry: Behaviour of ground water, methods of rain water harvesting and water conservation</i></li> <li>10. <i>Aravindan Govindassamy, Sembadugai Nanneeragam-The source of water in Pondicherry region and future demands of people</i></li> </ol> <p>Panel Discussants: Pradeep Kumar, ASE; Raghu Menon, Pondyicherry Science Forum, PZ Thomas, Environmental Engineers &amp; Consultants Pvt. Ltd., New Delhi</p>	<p>Chair/ Co-Chair: S. Raghunathan, Chief Town Planner, Govt of Puducherry</p> <p>Moderator: Dr. Suresh Kumar Rohilla, CSE</p>

16:00 - 17:15	<p><b>Mainstreaming Energy &amp; Resource efficiency in sustainable wastewater treatment</b></p> <ol style="list-style-type: none"> <li>1. <i>Dr. Ligy Philip, Professor, IIT- Madras- Domestic and Industrial wastewater treatment with emphasis on wastewater reuse and recycling</i></li> <li>2. <i>Tency Baetens, Auroville Centre for Scientific Research- Decentralized urban wastewater management</i></li> <li>3. <i>Goldfa Edwin, Pondicherry University- Grey water management in urban habitats</i></li> <li>4. <i>S. Manohar, Chief Engineer, Public Works Department- Wastewater treatment in Puducherry: An overview</i></li> <li>5. <i>Hilal F. Fardin, Social Sciences Department, Institut Français de Pondichéry- Major constraints of wastewater management in Puducherry area</i></li> <li>6. <i>Eric Denis, Head- Social Sciences Department, Institut Français de Pondichéry- Community health and wastewater management</i></li> </ol> <p>Panel Discussants: Prof. H.S. Shankar, IIT-Mumbai, Dr. R. Beniware, NEERI, Nagpur</p>	<p>Chair: <i>Lalit Kishor Bhati, Architect-Urban Planner, Auroville</i>  Moderator: Dr. Suresh Kumar Rohilla, CSE</p>
17:15 - 17:30	<b>Summing up and Vote of thanks</b>	Moderated by CSE

For further information:

Dr. Nidhi Pasi (CSE, Delhi), email: [nidhi@cseindia.org](mailto:nidhi@cseindia.org), Mobile: +91 8130774602

Mr. S. Raghunathan, Chief Town Planner cum Secretary- SLNA, JNNURM,  
email: [tcppondy@gmail.com](mailto:tcppondy@gmail.com), Mobile: +919486306033

Mr. V. Bhuvaneshwaran, Town Planner, Mobile: +919443290069