



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

**December 20, 2013**

Venue: Casuarina Hall, India Habitat Centre, New Delhi

*Knowledge exchange workshop under Comprehensive Capacity Building Programme supported by Jawahar Lal Nehru Urban Renewal Mission, Ministry of Urban Development, Government of India*

*Organised by CSE, New Delhi*

*Partners:*

*Urban Development Department & Delhi Jal Board, Government of NCT Delhi*

<b>Time</b>	<b>Registration and Tea (9:30 - 10:00)</b>	
<b>(10:00 - 11:30)</b>	<b>Inaugural Session</b>	
10:00 – 10:40	Objective of the workshop and theme presentation	Suresh Kumar Rohilla, CSE
10:40 – 10:50	Address by Chief Guest: Policy overview of energy and resources efficiency in the National Capital – Delhi	R.K. Srivastava, Secretary (UD) & Director of Local Bodies, Govt. of NCT of Delhi
10:50 – 11:15	Address by CEO, Delhi Jal Board: Energy and resource footprint of water services	Debashree Mukherjee, CEO, Delhi Jal Board
<b>11:15 - 11:30 (Tea)</b>		
<b>(11:30 - 13:30)</b>	<b>Technical Session: Energy and Resource Efficiency in Urban Wastewater Management: BMPs and Case studies</b> Chair: Paritosh C. Tyagi, former CPCB Co-chair: Suresh Kumar Rohilla, CSE	
	Soil Biotechnology Technology for waste water treatment	H.S. Shankar, IIT-Mumbai
	Energy efficient urban waste water treatment using <i>Phytoid</i>	R. B. Biniwale, NEERI, Nagpur
	Decentralized engineered wetland technology mediated sustainable urban wastewater management	Ravinder Kaur, IARI, New Delhi
	Energy footprints of waste water / reuse and recycle: Challenges and options	Uday Kelkar, NJS Engineers India Pvt Ltd.
	De-engineerizing waste water: Poor as partners	Renu Khosla, Centre for Urban and Regional Excellence (CURE), India
	<i>Question Answer Session (15 minutes)</i>	
<b>13:30 - 14:30 LUNCH</b>		

<b>(14:30 - 16:00)</b>	<b>Technical Session: Energy and Resource Efficiency in Urban Water Management: BMPs and Case studies</b> Chair: R.S. Tyagi, Member (Drainage), DJB Co-chair: Suresh Kumar Rohilla, CSE	
	<p>Water augmentation plan for Delhi: INTACH study findings on both energy and resource efficiency</p> <p>Energy efficiency opportunities and challenges in water supply system</p> <p>Role of water sensitive urban design in urban water management: Sustainable options</p> <p>Sustainable water use in buildings role of energy and water resource efficiency in buildings</p> <p>Promoting Water use and resource efficiency in the urban water sector: Showcasing Hamburg city in North Germany</p> <p><i>Question Answer Session (15 minutes)</i></p>	<p>Manu Bhatnagar, INTACH, Delhi</p> <p>Pradeep Kumar, ASE, Bangalore</p> <p>Somnath Sen, IIT- Kharagpur</p> <p>Virendra Kumar Paul, SPA, New Delhi</p> <p>Dirk Walther, GIZ, India</p>
<b>16:00 - 16:15 (Tea)</b>		
<b>(16:15 - 17:15)</b>	<b>Panel Discussion: Best Management Practises for Energy and Resource Efficiency: Potential and Challenges in target states</b> Chair: Debashree Mukherjee, CEO, Delhi Jal Board Moderator: Suresh Kumar Rohilla, CSE	
	Revival of water bodies: Feasibility, potential and community participation ( <i>Diwan Singh, NHF</i> ); Low impact urban development ( <i>Paritosh C. Tyagi, former CPCB</i> ); Water bodies in Delhi: Issues, problem and solution ( <i>S.D. Singh, DPGS</i> ); Managed aquifer recharge with special reference to NCT Delhi ( <i>S.K. Gupta, CGWB</i> )	
<b>17:15 - 17:30</b>	<b>Summing up and Vote of thanks</b>	Suresh Kumar Rohilla, CSE