



**COMPREHENSIVE CAPACITY BUILDING PROGRAMME
ON
Sustainable Decentralised Wastewater Treatment
(Including Reuse and Recycle)
July 23 – 26, 2013**

Day 1, July 23, 2013			
	Time	Topics	Faculty
	9.30 – 10.00	Registration	Water team, CSE
Module 1: Introduction			
	10.00 – 10.30	Welcome address and about CSE	Shailendra Vikram Singh, <i>Director, NURM IV,</i> Dr. Suresh Rohilla, <i>Programme Director, CSE</i>
Tea 10.30 – 10.45			
Module 2: Urban Wastewater and Sanitation - An Overview			
	10.45 – 11.45	Urban Water Management – challenges and issues with specific reference to JnNURM	Dr. Suresh Rohilla, <i>Programme Director, CSE</i>
	11.45 – 12.15	Report card and road map of wastewater management and sanitation in JnNURM mission cities	Dr. Mahreen Matto, <i>Senior Research Associate, CSE</i>
	12.15 – 12.45	New CPHEEO manual - provisions for decentralized treatment options	Dr. Deblina Dwivedi <i>Programme Officer, CSE</i>
	12.45 – 13.00	Introduction to the interactive session	Dr. Nidhi Pasi, <i>Programme Officer, CSE</i>
	13.00 – 14.00	Water neutral and low impact urban development: Case studies.	PZ Thomas, <i>Environmental Engineers & Consultants Pvt. Ltd.</i>
Lunch 14.00 – 15.00			
Module 3: Decentralised approaches in treating urban sewage			
	15.00 – 16.00	Introduction to Decentralized wastewater treatment systems	Dr. Nidhi Pasi, <i>Programme Officer, CSE</i>
	16.00 – 16.45	Film – Clean Your Act: A practical guide to treat domestic wastewater	AV Unit, CSE
Tea 16.45 – 17.00			
	17.00 – 18.00	Constructed Wetlands- Approach and Practices	Dr. Deblina Dwivedi <i>Programme Officer, CSE</i>
Day 2, July 24, 2013			
Module 3: National Urban Sanitation Policy – City Sanitation Plan (NUSP-CSP) and technological options (Knowledge partner- GIZ India)			
	9.30 – 12.00	Preparation of City Sanitation Plans	Dirk Walther, Senior Technical Adviser, GIZ

Tea 11.00 – 11.15			
	12.00 – 13.00	Existing and emerging technologies of wastewater treatment - Issues and challenges'	Prof. Vinod Tare, IIT- Kanpur
Lunch 13.00 – 14.00			
	14.00 – 15.00	Introduction to Green Bridges- planning, design, operation and maintenance	Sandeep Joshi, <i>Shrishti Eco Research Institute</i>
Module 4: Decentralized approaches in treating urban sewage- Do it yourself			
	15.00 – 16.00	Planning and designing of DWWT components	Dr. Deblina Dwivedi <i>Programme Officer, CSE</i>
	16.00 – 16.30	Economics and cost recovery of DWWT in India	Dr. Deblina Dwivedi <i>Programme Officer, CSE</i>
	16.30 – 16.45	Introduction to planning and designing of DWWT components (working in groups)	Shivali Jainer / Aditi Tallu, <i>Research Associate, CSE</i>
Tea 15.45 – 16.00			
	16.45 – 18.15	Preparation of plan and design for different DWWT projects	Dr. Deblina Dwivedi <i>Programme Officer, CSE</i>
Day 3, July 25, 2013			
Module 4: Decentralized approaches in treating urban sewage- Do it yourself (Cont.)			
	9.30 – 10.15	Group presentation by participants	Water Team, <i>CSE</i>
	10.15 – 11.15	Interactive session – Discussion on papers	Water Team, <i>CSE</i>
Tea 10.45 – 11.00			
	11.15 – 12.00	Operation and maintenance of decentralized systems post construction- performance and experience from projects undertaken.	Stanzin Tsephel, <i>Consortium for Dewats Dissemination Society (CDDS)</i>
Module 5: Field visit			
	12.00 – 12.30	CSE DWWT system	Dr. Mahreen Matto, <i>Senior Research Associate, CSE</i>
Lunch 12.30 – 13.30			
	13.30 – 18.00	Sulabh International Museum of Toilets	Gaurav Chandra, <i>Coordinator, Sulabh International</i>
Day 4, July 26, 2013			
Module 6: Wastewater Recycle and Reuse- Policy and Review			
	9.30 – 10.30	Film - Fecal Attraction: The political economy of defecation	AV Unit, <i>CSE</i>
	10.30 – 11.30	Recycling and reuse of treated sewage – policy, options and standards	Dr. Suresh Rohilla, <i>CSE</i>
Tea 11.30 – 11.45			
	11.45 – 12.45	Summary, Way forward and feedback	Dr. Suresh Rohilla, <i>CSE</i>
	12.45 – 13.15	Distribution of certificates	Shailendra Vikram Singh, <i>Director- NURM IV, MOUD</i>
Lunch 13.15 – 14.15			