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

<table>
<thead>
<tr>
<th>Time</th>
<th>Registration (9:30 - 10:00)</th>
<th>Convenor:</th>
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</thead>
<tbody>
<tr>
<td>(10:00 - 11:30)</td>
<td>Inaugural Session</td>
<td>S. Raghunathan, Chief Town Planner, Town and Country Planning Department</td>
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<tr>
<td>10:00 – 10:05</td>
<td>Welcome Address</td>
<td>Dr. S. Sundaravadivelu, Special Secretary, Housing and Town Planning, Govt of Puducherry</td>
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<td>10:05 – 10:15</td>
<td>Special Address by Guest of Honour</td>
<td>N.G. Pannir Selvam, Hon'ble Local Administration Minister</td>
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<td>10:15 – 10:25</td>
<td>Special Address by Chief Guest – ‘Policy overview for energy and resource efficiency in urban water management in Puducherry’</td>
<td>P.R. Meena, Secretary, Public Works</td>
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<td>10:25 - 10:55</td>
<td>Objective and CSE presentation</td>
<td>Dr. Suresh Kumar Rohilla, CSE</td>
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<td>10:55 - 11:15</td>
<td>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)</td>
<td>Dr. Mahreen Matto, CSE Representatives of participating states- V. Bhuvaneswaran, Puducherry, S. Amalraj, Tamil Nadu</td>
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Vote of thanks
Representative of CSE

11:15 - 11:30 (Tea)

(11:30 - 13:00) Session: Energy and Resource Efficiency in Urban Water Management: BMPs and Case studies
Chair: Dr. S. Sundaravadivelu, Special Secretary, Govt of Puducherry
Co Chair: Dr. Suresh Kumar Rohilla, CSE

Approaches and practices for energy and resource efficiency in water management
Dr. Nidhi Pasi, CSE

Energy efficiency opportunities and challenges in water supply system
Pradeep Kumar, ASE, Bangalore

Use of soil biotechnology for waste-water treatment
Prof. H.S. Shankar, IIT-Mumbai

Energy efficient urban waste water treatment using Phytodor
Dr. R. Biniwale, NEERI, Nagpur

Water neutral and energy neutral and low impact urban development in buildings
P.Z. Thomas, Environmental Engineers & Consultants Pvt. Ltd., New Delhi

13:00 - 14:00 LUNCH
### Technical Discussion: Operational challenges and strategies for mainstreaming reforms in NURM projects

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<thead>
<tr>
<th>14:00 - 15:45</th>
<th><strong>Mainstreaming Energy &amp; Resource efficiency in sustainable urban water management</strong></th>
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<tbody>
<tr>
<td>1</td>
<td>Lalit Kishor Bhati, Architect-Urban Planner, Auroville- Sustainable Urban Planning towards people &amp; environment friendly inclusive urban development</td>
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<td>2</td>
<td>Gilles Boulicot, Auroville Centre for Scientific Research-Surface water as a resource: Taking Auroville as an example</td>
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<tr>
<td>3</td>
<td>Prof. Devi Prasad, Pondicherry University- Peri-urban water markets as an instrument for managing urban water supply needs: A Pondicherry Perspective</td>
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<td>4</td>
<td>Prof. G. Poyyamoli, Pondicherry University- Water footprint for sustainable management of water resources in Puducherry urban area</td>
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<td>5</td>
<td>Nandhi Muthu, Pondicherry University- Water footprint as a tool for sustainable management of ground water resources in Pondicherry University, Puducherry, India</td>
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<td>6</td>
<td>P. Joseph Victor Raj, Director, HOPE- Protection of water and water resources</td>
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<td>7</td>
<td>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</td>
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<td>8</td>
<td>Aravindan Govindassamy, Sembadugai Nanneeragam-The source of water in Pondicherry region and future demands of people</td>
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Panel Discussants: Pradeep Kumar, ASE; PZ Thomas, EEC Pvt. Ltd., New Delhi

| 15:45 - 16:00 | Tea |

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<th>16:00 - 17:15</th>
<th><strong>Mainstreaming Energy &amp; Resource efficiency in sustainable wastewater treatment</strong></th>
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<tbody>
<tr>
<td>1</td>
<td>S. Manohar, Chief Engineer, Public Works Department-Urban water management and sewerage system</td>
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<td>2</td>
<td>Tency Baetens, Auroville Centre for Scientific Research-Decentralized urban wastewater management</td>
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<td>3</td>
<td>Prof. M. Vikram Reddy, Pondicherry University- Urban water quality management with reference to Urban Lake water quality restoration and management in India</td>
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<td>4</td>
<td>Hilal F. Fardin, Social Sciences Department, Institut Français de Pondichéry- Major constraints of wastewater management in Puducherry area</td>
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<td>5</td>
<td>Celina Jauzelon, Social Sciences Department, Institut Français de Pondichéry- Puducherry urban asset planning programme ; Testing a participatory methodology in development studies</td>
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Panel Discussants: Prof. H.S. Shankar, IIT-Mumbai, Dr. R. Biniwale, NEERI, Nagpur

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<th>17:15 - 17:30</th>
<th><strong>Summing up and Vote of thanks</strong></th>
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For further information:

- Dr. Nidhi Pasi (CSE, Delhi), email: nidhi@cseindia.org, Mobile: +91 8130774602
- Mr. S. Raghunathan, Chief Town Planner cum Secretary- SLNA, JNNURM, email: tcppondy@gmail.com, Mobile: +919486306033
- Mr. V. Bhuvaneshwaran, Town Planner, Mobile: +919443290069