



Regional workshop
‘Energy and Resource Efficiency in Urban Water Management’
June 20, 2013

Venue: KMDA Conference Hall, Kolkata Metropolitan Development Authority

Organised by CSE, New Delhi

Supported by:
CCBP NURM, Ministry of Urban Development, Govt of India
Urban Development Department, Govt of West Bengal
Kolkata Metropolitan Development Authority

| Time | Registration (9:30 - 10:00) (Tea) | |
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| (10:00 - 11:00) | Inaugural Session | Convenor: Prashanta Sarkar, KMDA/ Dr. Srabani Sengupta, TL-PMU |
| 10:00 – 10:05 | Welcome Address | <i>Arup Kumar Saha, CEO, KMDA</i> |
| 10:05 – 10:15 | Special Address by Chief Guest – ‘Policy overview for energy and resource efficiency in urban water management in West Bengal’ | <i>Debashis Sen, Principal Secretary, UDD, Govt of West Bengal</i> |
| 10:15 - 10:45 | Objective and CSE presentation | <i>Dr. Suresh Kumar Rohilla, CSE</i> |
| 10:45 - 10:55 | Building water efficient cities: Best management practices | <i>Dr. Nidhi Pasi, 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 (West Bengal, Odisha, Jharkhand, Chhattisgarh, Bihar, Meghalaya, Nagaland, Manipur, Tripura, Sikkim, Arunachal Pradesh and Mizoram) | <i>Representatives of participating states</i> |
| | <i>Vote of thanks</i> | <i>Representative of CSE</i> |
| 11:15 - 11:30 (Tea) | | |
| (11:30 - 13:30) | Session: Energy and Resource Efficiency in Urban Water Management: BMPs and Case studies | Chair: Arup Kumar Saha, CEO, KMDA Co Chair: Dr. Suresh Kumar Rohilla, CSE |
| | Water management in urban centres: Energy and footprint nexus | Prof. Vinod Tare, IIT- Kanpur |
| | Efficiency and equity in urban water access: Case of Kolkata | Dr. Joyashree Roy, Jadavpur University |
| | Sustainable urban water management | Prof. Somnath Sen, IIT-Kharagpur |
| | Ecological and Energy efficient practices for storm water management | Dr. Arup Kumar Sarma, IIT-Guwahati |
| | NUSP - GIZ experience and way forward to preparation and implementation of state sanitation strategy / city sanitation plan | Dr. Regina Dube, GIZ, India |

(Revised Programme schedule as on 20th June)

| 13:30 - 14:15 LUNCH | | |
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| (14:15 - 17:15) | Technical Discussion: <i>Operational challenges and strategies for mainstreaming reforms in NURM projects</i> | |
| 14:15 - 15:45 | <p>Mainstreaming Energy & Resource efficiency in sustainable urban water management</p> <ol style="list-style-type: none"> 1. <i>R.M. Chatterjee, DGO, KMDA</i>- Urban water supply management in the Kolkata Metropolitan area 2. <i>Prof. R.K. Panda, IIT-Kharagpur</i>- Rainwater management in urban and industrial catchments: A few case studies 3. <i>Bibhas Maity, DG (Water Supply), KMC</i>- Current scenario and future vision for water supply in KMA 4. <i>Prof. Madhushree Majumdar- NIUA (Retd.)</i>- Water supply and neighbourhood planning for KMA 5. <i>Dr. Mohit Roy, Head, Vasundhara Foundation</i>- Understanding urban waterbodies before 'managing' them – Kolkata study <p>Panel discussants: Prof. Somnath Sen, IIT- Kharagpur</p> | <p>Chair/ Co-Chair: Prof. Souvanic Roy, BESU; Prof. Santosh Ghosh, Centre for Built Environment</p> <p>Moderator: Dr. Suresh Kumar Rohilla, CSE</p> |
| 16:00 - 17:15 | <p>Mainstreaming Energy & Resource efficiency in sustainable wastewater treatment</p> <ol style="list-style-type: none"> 1. <i>Prof. Arunabha Majumdar, Emeritus Fellow- Jadavpur University</i>- Bacterial reduction in waste water treatment system 2. <i>Dr. R.C. Srivastava, Head- Department of Sanitation and Sanitary Engineering, All India Institute of Hygiene and Public Health</i>- Improving efficiency of O&M for water quality management in treatment plants 3. <i>Indranil Bhattacharya, MD- Unitech Water Technologies Pvt Ltd.</i>- Bio augmentation to the aid for urban wastewater 4. <i>Prof. Tare, IIT Kanpur</i>- Potentials and challenges for reuse and recycle of wastewater in the Ganga Basin ULBs <p>Panel discussants: Prof. Tare, IIT Kanpur; Dr. Dhruvajyoti Ghosh, Centre for Studies in Social Studies, West Bengal</p> | <p>Chair: Prof. K.J. Nath, President, Institution of Public Health Engineers, India</p> |
| 17:15 - 17:30 | Summing up and Vote of thanks | Moderated by CSE |

For further information:

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