THE JOURNEY OF INDIA’S WATER ACT AND THE WAY FORWARD
AN ASSESSMENT OF THE 2024 AMENDMENT TO THE ACT

Wednesday, June 12, 2024
2:30-4.00 PM (IST)
On Zoom
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<th>Time</th>
<th>Topics</th>
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<td>2:30-2:45</td>
<td>Opening Remark</td>
<td>Mr. Depinder Kapur, Dr. Sumita Singhal</td>
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<td>2:45-3:30</td>
<td>Interactive Discussion</td>
<td>Dr. J S Kamyotra, Dr. Vijai Singhal,  Dr. Suijth Koonan</td>
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<td>3:30-4:00</td>
<td>Q&amp;A and Closing remark</td>
<td>Dr. Sumita Singhal</td>
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Housekeeping Rules

- Watch the chat window where we will post biography & link to resources
- Raise your hand if you want to ask / share something
- Submit your questions to the speakers in the Q&A window instead of chat box. Mention your name and organization name

Request to please keep your mic muted unless speaking

We will be recording the webinar
Speakers

Dr. J S Kamyotra
Member of EAC Industry II, MoEF&CC and former member secretary, CPCB

Dr. Vijai Singhal
Former Chief Environmental Engineer, Rajasthan Pollution Control Board

Dr. Sujith Koonan
Associate Professor, Jawaharlal Nehru University
Dr. J.S. Kamyotra, an alumnus of Delhi College of Engineering, served as Member Secretary of the Central Pollution Control Board for five years. With over 35 years of experience in environmental policy and standards, he established real-time monitoring networks for air quality and has extensive experience in water, and noise pollution. He is a member of various national policy committees and environmental committees formed by the Supreme Court and National Green Tribunal, and has numerous publications to his credit.
Dr. Vijai Singhal, Ph.D. from MNIT Jaipur and B.E. from BITS Pilani, retired as Chief Environmental Engineer from the Rajasthan State Pollution Control Board in 2022 after 37 years of service. He is currently Director at Greenhub Systems Pvt Ltd, Partner at Trikha Consultants & Advisory LLP, and Executive Director at the Recycling and Environment Industry Association of India. Dr. Singhal was instrumental in establishing India's first Integrated Waste Recycling Park in Jaipur and has extensive experience in sustainable industrial development and waste management.
Dr Sujith Koonan is an Associate Professor at Centre for International Legal Studies, School of International Studies in Jawaharlal Nehru University, New Delhi. He completed his PhD from SOAS–University of London where he was a recipient of the SOAS Doctoral Research Scholarship. He holds a M.Phil. in International Law from Jawaharlal Nehru University, New Delhi and LLM. in Environmental Law and Human Rights from Cochin University of Science and Technology, Kochi. His main areas of interest are Environmental Law, International Law, Water and Sanitation, Law and Natural Resources, Human Rights and Agro-biodiversity.
About CSE, Water Program

• Centre for Science & Environment (CSE) was set up in 1980’s, in Delhi – as a registered non profit society.

• An institution to bridge the gap between information and knowledge; between knowledge and public awareness; to influence public policies and practices for sustainable development – ‘to promote sustainable development with equity, participation and democracy’.


• Centre of Excellence in the Sustainable Water management area – Ministry of Urban Development

• National Key Resource Centre of Ministry of Jal Shakti

• Anil Agarwal Environment Training Institute (AAETI) – State-of-art training institute and living lab

Team strength: 15 members (10 Delhi, 5 lab, 5 UP)
Diverse professions: Engineers, Architects, Planners, Economics, Public Policy, Env. Science, Management
Offices: Delhi, Lucknow (PSU), Bijnor, AAETI (Laboratory)
Centre for Science and Environment

**Research & advocacy**

**Programmes**
- Air Pollution & Mobility
- Climate Change
- Industry: Pollution & Energy
- Environment Education
- Sustainable Food Systems
- Sustainable Habitats & Cooling
- Municipal Solid Waste
- Water, Wastewater, Sanitation

**Communication**

**Media resource centre**
- Strengthen reportage of mainstream and regional journalists on environment

**Down To Earth** (since 1992)
- English, Hindi & Digital editions

**Websites, E-newsletters, media**
- Campaign tools for outreach
- India Environment Portal

**Pollution monitoring**

- Environment Monitoring Lab
  - Pollution, toxins in food, waste, water, FSM
- Independent information in public domain

**Education, Training**

**Anil Agarwal Environment Training Institute**
- Build capacities on environment (India & across global South)
- Green campus
• “Ear to the Ground” – Practice to Policy to Programs.
  – Gaps in Policy to Practice

• Policy requires a long term conceptual view. Prioritizing medium and short term actions. What should be done, what should not be done.

• Programs require an understanding of what is to be done – Planning and Design
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**Water Sensitive and Climate Resilient Cities Program and source sustainability:**
- Water Sensitive Urban Design and Planning (WSUDP): Water Conservation
- Urban Groundwater Recharge
- Urban Waterbodies and natural Habitats protection
- Water Efficiency promotion
- Lake rejuvenation

**Sustainable State and City Sanitation Program:**
- Faecal Sludge and Septage Management (FSSM)
- City Wide Inclusive Sanitation (CWIS)
- Decentralised Wastewater Management
- Capacity Development of National Programs and Missions
- Reuse and Resource Recovery

**City Wide Inclusive Water and Sanitation in Ganga Basin**
- Supporting Dept of Urban Dev UP for Scale Up of State Septage Management
- Demonstration Projects in 2 Towns.
- Technical Support: Implementation of AMRUT 2.0, SBM 2.0, etc.

- **School of Water and Waste (SWW), conducted 70+ capacity building programs, alumni of 7,000+ practitioners**
- **Publications**: 15+ action research reports and 7 toolkits.
- **Pilot Projects**: RWH structures, DWWTS, FSTP in Chunar, SeTP in Bijnor | Model City Sanitation Plans: Bijnor, Bodhgaya
- **Knowledge Hub**: Web-based compendium MOUNT and C-GINS, collection of 200+ BMPs on sustainable water and sanitation practices
- **Capacity Building**: City Officials, Consultants, Professionals: SBM2.0, NMCG capacity development program
- **Research priorities**: CWIS approach for Global South, Water Sensitive Cities Typologies and Climate Change, Greywater
- **Proposed work areas for 2022-25**: Water Conservation in Cities of India and Global South (Storm water recharge and Ground water management, Sustainability of FSSM(O&M of FSTPs and SeTPs, FSM Bye-Laws, Co-Treatment)
- **Global Outreach**: Asia (Bangladesh, Nepal) | Africa (South Africa, Kenya, Tanzania) for SFD, FSSM, CWIS, Water Sensitive Cities
Program Outcomes

• National & State Missions (SBM, AMRUT, JJM, NMCG): Improved effectiveness, critical insights
  – Assessments, Frameworks
  – Capacity building
• Advocacy as a credible independent voice
  – Highlighting critical issues, strengthen civil society voice and engagement – for justice and equity in water and waste
  – Highlight importance of circular economy of water and wastewater, water and nutrient cycles
• Effective Septage Management/Treatment Systems in UP contribute to improved Health and Environment
  – Sustainability of FSSM infrastructure (62 FSTPs and Co-Treatment plants) created across 59 towns.
    • Desludging operations, O&M of Treatment Plants,
  – Treatment Systems effectiveness improved
Publications and Web-compendiums
Publications and Web-compendiums

UTTAR PRADESH
Thank You