

IFAT India 2025 Conference

India's Leading Conference on Water, Sewage,
Solid Waste and Recycling

October 14-16, 2025
Bombay Exhibition Centre, Mumbai

www.ifat-india.com



Agenda Outline

THEME: Reimagining sustainability – Transforming water & waste recycling in India

Solid Waste Management Track

Water & Wastewater Management Track

DAY 1

Inaugural Session

Opening Address

- Rajiv Ranjan Mishra, Chief Advisor, National Institute of Urban Affairs, Former DG, NMCG, and Former Additional Secretary, Ministry of Housing & Urban Affairs, Government of India and Chairperson, IFAT India 2025 National Advisory Committee

THEME: Rebooting legacy systems in waste movement

THEME: Advancing resilient urban & rural water infrastructure through Integration, Innovation, & Inclusion

Keynote Speaker:

- Mr Radhabinod Sharma, IAS, Commissioner & Administrator, Mira Bhayander Municipal Corporation.

1100 hrs – 1150 hrs: Panel Discussion

1100 hrs – 1150 hrs: Panel Discussion

Harnessing the Power of Data and Digital intervention for enforcement in Waste Management

Discussion points:

- Adopting smart waste management practices – Role of data in lending insights into waste streams during operations
- Leveraging digital platforms to inculcate circularity practices in corporate & industrial settings
- Coupling civic responsibility at household & corporate level with data innovation
- How predictive capabilities from data capture & database management build waste management competencies at sources of origin
- Case Study illustrations & Best Practices in local governance initiatives & people-intensive installations

Impacts and opportunities of AMRUT 2.0 and JJM – Urban & Rural universal water & sanitation coverage missions in India

Discussion points:

- Key achievements and challenges in implementation of AMRUT 2.0 and JJM
- Role of smart sensors & centralized dashboards for real-time monitoring
- Participation of private sector players & startups (especially in JJM)
- How do specific (AMRUT & JJM) policies impact project implementation?

<ul style="list-style-type: none"> • Building efficiencies in sorting & segregation processes at public places, individual households & corporate establishments • Legal & financial aspects of data capture & linkages with policy and enforcement imperatives • Implementing policy mandates on source segregation & sorting – Role of local governance in driving efficient data collection, screening, evaluation, & impact <p>Session Moderator:</p> <ul style="list-style-type: none"> • Prof Bineesha Payattati, Executive Director, International Institute of Waste Management (IIWM) <p>Panelist:</p> <ul style="list-style-type: none"> • Mr Anil Gokarn, Founder, ProEarth Ecosystems Pvt Ltd. • Dr. Levinson J Martins (GCS) Managing Director, Goa Waste Management Corporation and Director, Department of Science and Technology and Waste Management, Govt. of Goa & Ex-Officio Jt. Secretary to Government • Mr Pravinjith KP, Project Head - Regional Facility, World Bank • Mr Sandip Singh, CEO, Ishitva Robotic Systems 	<ul style="list-style-type: none"> • Execution & service quality disparities amongst states and the way forward • Financial sustainability challenges & innovative strategies to address funding gaps • Evolution and role of State Water Regulators on investment & drive for innovation in the water sector • Water regulator's role in influencing Water Tariffs, Equity & Financial Sustainability <p>Session Moderator:</p> <ul style="list-style-type: none"> • Mr Fredrick Royan, Global Practice Area Leader – Sustainability & Circular Economy, Frost & Sullivan <p>Panelist:</p> <ul style="list-style-type: none"> • Mr KP Bakshi, IAS (Retd), Former Additional Chief Secretary (Home), Government of Maharashtra, and Former Chairman Maharashtra Water Resources Regulatory Authority • Mr Sumouleendra Ghosh, Partner, KPMG in India
1200 hrs – 1250 hrs Panel Discussion	1200 hrs – 1250 hrs Panel Discussion
<p><i>Solving problems in waste movement</i></p> <p>Discussion points:</p> <ul style="list-style-type: none"> • Reimagining traditional segregation, collection & transportation processes • Upgrading legacy processes in waste trails 	<p>Real-time monitoring and management of surface water quality of rivers & lakes</p> <p>Discussion points:</p> <ul style="list-style-type: none"> • Policy and frameworks for river and river basin management • Deployment of smart sensors to holistically monitor river water quality

- Role of technology in waste segregation & sorting, collection, and transport
- Spurring innovation in institutional & governance aspects to drive prescriptive decision-making on waste movement
- Facilitating real-time monitoring of & data-driven insights into waste-related operations – Role of Centralised Monitoring Facilities in a rapidly urbanizing India
- Monitoring and evaluation of waste collection & tracking and citizen grievance redressal systems
- Services procurement & private sector engagement – Examining integrated solid waste management contracts – vs – separate contracts
- Optimising resource efficiency in waste collection & transportation
- Decentralized waste collection & transportation – How localizing waste management solutions & community engagement build more resilient waste management infrastructures

Session Moderator:

- Ms Paramita Datta Dey, Head (Resources and Waste) and Program Lead, National Institute of Urban Affairs

Panelist:

- Mr Mruthyunjaya K S, Assistant Executive Engineer, Mysuru City Corporation
- Mr Surjith Reddy, Executive Director, Dalmia Cement Bharat Limited (DCBL)

- Smart Data integration and decision support for respective stakeholders
- Mapping pollution sources and developing accountability mechanisms (eg. Polluter pays)
- Policy and regulatory intervention to develop strategies for cohesive operating procedures to manage river water quality

Session Moderator:

- Mr. Rajiv Ranjan Mishra, IAS (Retd), Chief Advisor, National Institute of Urban Affairs (NIUA), and Former DG, NMCG

Panelist:

- Dr. Nupur Bahadur, Director, NMCG-TERI Centre of Excellence on Water Reuse

1300 hrs – 1400 hrs

Networking Lunch

1400 hrs – 1450 hrs Panel Discussion

Building efficiencies in waste treatment & processing facilities

Discussion Points:

- Understanding design requirements of MRFs & MCFs – Efficient capacity design planning of centralized treatment & processing facilities
- ULB Best Practices – Glimpsing robust treatment & processing facility operations
- Discussing role of technologies for treatment & processing of solid waste
- Addressing legal challenges faced in construction of treatment & processing facilities
- Role & types of Waste-to-Energy technologies in capacity management
- Addressing issue of land parcel for installation of treatment & processing units
- Combatting the profitability problem with MRFs & MCFs – How ULBs, NGOs, Self-Help Groups can work cohesively to address capex, opex, manpower, & technology problems
- Building robust decentralized treatment & processing facilities – Role of social entrepreneurship & startups in effective waste management in peri-urban areas, urban fringes, and rural settings

Session Moderator:

1400 hrs – 1450 hrs Panel Discussion

Circular sludge management framework and its importance in the context of wastewater treatment

Discussion Points:

- The under-recognized sludge challenge in India
- Sludge as a resource to produce usable byproducts like bio-compost, energy (biogas), construction materials, or biochar
- Absence of uniform national guidelines on sludge classification, treatment, & reuse and the need for national-level mandates for sludge management
- Innovative sludge solutions and business models to incentivize private sector

Session Moderator:

- Dr Ajit Salvi, Director (RCUES of AILSG, Mumbai) and Former Deputy Chief Engineer (Sewerage Operation), Brihanmumbai Municipal Corporation (BMC)

Panelist:

- Prof (Dr) Ganpati D. Yadav, National Science Chair and Padma Shri Awardee, Institute of Chemical Technology
- Dr PKC Bose, Chairman CAMBI India
- Dr Rajarshi Banerjee, Director, Env. Monitoring Laboratory, Centre for Science and Environment

<ul style="list-style-type: none"> Mr Atin Biswas, Program Director - Solid Waste & Circular Economy, Centre for Science & Environment <p>Panelist:</p> <ul style="list-style-type: none"> Mr Sharath Kumar, Founder & COO, Sarwam Trash Tech Pvt Ltd Ms Shobha Raghavan, CEO, Saahas Zero Waste 	<ul style="list-style-type: none"> Ms Rupali Deshmukh, Country Manager (India), IVL Swedish Environmental Research Institute and CEO, IVL India Environmental R&D Pvt Ltd Dr Sachin Bangar, Deputy Municipal Commissioner, Mira Bhayandar Municipal Corporation Mr Sanjay Kulkarni, Chief Engineer – Drainage, Pimpri-Chinchwad Municipal Corporation Mr Shravan Kumar, Addl. Chief Engineer, Jaipur Municipal Corporation (Heritage)
<p>1500 hrs – 1550 hrs Panel Discussion</p>	<p>1500 hrs – 1550 hrs Panel Discussion</p>
<p><i>Optimizing waste disposal management processes</i></p> <p>Discussion points:</p> <ul style="list-style-type: none"> Intelligent landfill design, operations & management Site selection & characterization Building efficiencies in landfill capacity management – Discussion on waste placement & compaction Managing ambient air, groundwater, & air contamination – Liner systems, leachate, gas & stormwater management, and cover systems Monitoring & maintenance – Timely screening of leachate, gas & groundwater to address environmental contamination and upkeep of landfill structures Regulatory framework on permissible methods for waste disposal – Understanding screening, evaluation, & punitive action provisions to combat violations 	<p>Smart water & wastewater infrastructure to drive productivity and efficiency in water services</p> <p>Discussion points:</p> <ul style="list-style-type: none"> Role of AMI (Advanced Metering Infrastructure), ultrasonic/IoT water meters in demand forecasting and leakage reduction. Data-Driven NRW (Non-Revenue Water) Reduction Strategies Use of digital twins for simulating water distribution and wastewater flows to optimize operations, maintenance, & asset management Leveraging smart city infrastructure to integrate water and wastewater data with traffic, health, and emergency systems <p>Session Moderator:</p> <ul style="list-style-type: none"> Mr Fredrick Royan, Global Practice Area Leader – Sustainability & Circular Economy, Frost & Sullivan <p>Panelist:</p>

<ul style="list-style-type: none"> Waste disposal contracts – Building responsible & efficient waste management guidelines for industry & local government Customizing technology deployment for waste disposal in diverse Indian settings <p>Session Moderator:</p> <p>Panelist:</p> <ul style="list-style-type: none"> Prof. (Dr.) Abhishek Sharma, Department of Chemical Engineering, BITS Pilani K K Birla Goa Campus Mr Dinesh Yadav, Former Chief Engineer, Municipal Corporation of Delhi Dr Sairam Bhatt, Professor of Law, Centre for Environmental Law, Education, Research and Advocacy (CEERA), National Law School of India University [NLSIU] 	<ul style="list-style-type: none"> Mr Anuj Sharma, Chief Executive Officer, Arghyam Mr Ashok Natarajan, Tamil Nadu Water Consultant & Member - National Task Force, Ministry of Housing & Urban Affairs, Govt of India
1600 hrs – 1650 hrs Panel Discussion	1600 hrs – 1650 hrs Panel Discussion
<p><i>Managing legacy waste & achieving land rejuvenation – Role of enablers</i></p> <p>Discussion points:</p> <ul style="list-style-type: none"> Converting waste to wealth – Biomining techniques to convert legacy waste into recyclables & usable materials Examining types of technologies to remediate dumpsites Environmental impact assessment of illegal dumpsites 	<p>Advancing Circular Water Reuse Across Utilities, Industries, Commercial, and Institutional Sectors – Enabled by Innovative Technologies, Collaborative Business Models, and Adaptive Financial Instruments</p> <p>Discussion points:</p> <ul style="list-style-type: none"> Modular, energy-efficient systems are enabling decentralized reuse solutions even for smaller municipalities or industrial zones, or in commercial & institutional premises.

- Role of NGT – From promoting biomining & bioremediation of legacy waste to directing authorities to develop guidelines & implement projects for rejuvenation of land
- Illegal dumpsite remediation – Learnings from international & domestic Case Studies
- ULB Best Practices – Biomining & remediation success stories
- Understanding conventional financing models – Govt funds, grants & subsidies, loans & green bonds
- Uncovering unconventional financing models – PPP models, User ‘Waste Generator’ Fees, WtW & WtE monetization, and innovative ‘corporate accountability-based’ approaches

Session Moderator:

- Dr Ajit Salvi, Director (RCUES of AILSG, Mumbai) and Former Deputy Chief Engineer (Sewerage Operation), Brihanmumbai Municipal Corporation (BMC)

Panelist:

- Mr Pradeep Khandelwal, Former EDMC Chief Engineer
- Dr Sunil Kumar, Sr. Principal Scientist - Waste Re-processing Division, CSIR-National Environmental Engineering Research Institute (CSIR-NEERI)

- Role of multilateral banks, climate funds, or ESG-focused investors in scaling up reuse in water-stressed but capital-poor regions
- How to incentivize circularity through Policy and Tariff Mechanisms?
- Merging platforms that allow verification of reuse performance, helping industrial, commercial, and institutional end users gain sustainability certifications or carbon-water credits

Session Moderator:

- Prof Pradip Kalbar, Associate Professor, Environmental Science and Engineering Department (ESED), IIT Bombay

Panelist:

- Mr Bhairav Desai, Executive Engineer (Civil), Surat Municipal Corporation
- Col Bhaskar Tatwawadi (Retd), Chair, Water Reuse Task Committee & Desalination Task Committee, Environmental & Water Resources Institute, American Society of Civil Engineers
- Mr Joseph Ravikumar, Sr. Water and Sanitation Specialist (Retired), World Bank
- Mr Prakash Shirsat, Dy. Director, MCGM Centre for Municipal Capacity Building and Research (MCMCR)
- Dr Rakesh Kumar, President, Society for Indoor Environment (SIE)

DAY 2

<p>THEME: Role of enablers & innovation in inculcating temper for waste management in Indian industry</p>	<p>THEME: Securing industrial water sustainability through circular innovation, competitiveness, & compliance</p>
<p>1030 hrs – 1120 hrs: Panel Discussion</p>	<p>1030 hrs – 1120 hrs: Panel Discussion</p>
<p><i>From obligation to ownership – Cultivating corporate responsibility for sustainable waste practices</i></p> <p>Discussion points:</p> <ul style="list-style-type: none"> Defining responsible waste & water management Discussing drivers to help transition corporates from reactive to proactive managers of water resources & waste generated Value chain collaboration to accelerate sustainable waste practices Evolution of ESG rating frameworks to assess corporate water & waste performance Bottlenecks faced by SMEs in adopting sustainable waste practices – Role of policy, partnerships & technology Examining leadership role of large enterprises in integrating sustainable water & waste practices in existing ESG & business excellence frameworks Material recovery from corporate waste streams – Role of innovation Harnessing the power of technology & external sustainability-driven service providers in meeting corporate sustainability goals <p>Session Moderator:</p> <ul style="list-style-type: none"> Mr Alok Mishra, Group Head – Sustainability, Welspun Group 	<p><i>Transformative solutions for sustainable water & effluent management in pharmaceutical and semiconductor sectors in India.</i></p> <p>Discussion points:</p> <ul style="list-style-type: none"> Role of policies & regulations and their impact on effluent treatment Need for enabling environment for collaboration between industry, Government, and effluent treatment solution providers to develop sustainable CETPs and centralized ZLD systems Fiscal and policy instruments to accelerate innovation in industrial water sustainability Achieving Zero Liquid Discharge (ZLD) Or Minimum Liquid Discharge (MLD) – Lessons learnt, and Challenges faced Opportunities for resource recovery from effluents (beyond just water recovery) How to develop a manufacturing ecosystem (across semiconductor & pharma value chains) that aligns with water positivity and sustainability goals <p>Session Moderator:</p> <ul style="list-style-type: none"> Mr Paul Hudson, Senior Industry Analyst, Frost & Sullivan <p>Panelist:</p>

<p>Panelist:</p> <ul style="list-style-type: none"> • Ms Monika Shrivastava, Head - Sustainability, Sustainability & Innovation function, JSW Cement • Dr Mritunjay Chaubey, Global Vice President & Head - Environment & Sustainability, UPL Limited • Dr Sangeeta Sharma, Director(I/C), SIES Indian Institute of Environment Management • Ms Sheetal Sharad, Chief Ratings Officer, ICRA ESG Ratings 	<ul style="list-style-type: none"> • Mr K Krishna Moorthy, Technology & Strategy Advisor and Consultant to ESDM Industry, Semiconductor & Systems Engineering • Dr Rajesh B. Biniwale, Sr.Principal Scientist & Head - Environmental Chemical Processes & System Design, CSIR-National Environment Engineering Research Institute • Dr V. M. Motghare, Joint Director, Maharashtra Pollution Control Board (MPCB)
<p>1130 hrs – 1220 hrs: Panel Discussion</p>	<p>1130 hrs – 1220 hrs: Panel Discussion</p>
<p><i>Legislative & Regulatory Reform for Effective Biomedical Waste Management in India: Bridging Policy and Practice</i></p> <p>Discussion points:</p> <ul style="list-style-type: none"> • Redefining biomedical waste to ensure foolproof segregation– Driving zero tolerance at healthcare facilities, treatment & disposal centers • Debating inclusion of auxiliary waste – Waste generation at dermatological, and health & wellness centers, and shared hospital linen & furniture • Defining & implementing pre-treatment practices of biomedical waste – Role of innovation & legislative reform • Impact assessment on biomedical waste management – Infection control protocols at HCFs • Monitoring mechanisms to prevent post-treatment malpractice – Surveillance of CBWTFs to ensure error-free waste disposal, and to assess ambient infection & contamination risk • Challenges faced in biomedical waste management in peri-urban, urban fringes & rural settings 	<p><i>Understanding challenges of & solutions to water treatment in textile sector</i></p> <p>Discussion points:</p> <ul style="list-style-type: none"> • Technology adoption choices for SMEs to balance sustainability goals • SME challenges – Managing carbon, energy, & infrastructure footprints onsite • Financing ETP / WTP infrastructure installation in manufacturer premises – Feasibility of adoption of treatment technologies by SMEs • Policy measures for greater ease of access to & incentivization for adoption of commercially viable technologies by SMEs • Policy & financing support for adoption of sustainable, climate-conscious, future-ready, water treatment technologies • Cluster-level, case studies – Examining fee-based, sharing, models in capital & space-starved SME clusters • Aligning SME operations to international standards on water reuse, sludge generation, & management

<p>Session Moderator:</p> <p>Panelist:</p> <ul style="list-style-type: none"> • Ms Deepika Nishit Dass, Program Lead - Infection Control, St. Jude India ChildCare Centres • Mr Prajwal Pravinjith, Senior Project Manager, Paradigm Environmental Strategies (P) Ltd. • Dr Priyanka Patil, Senior Infection Control Officer, Breach Candy Hospital Trust 	<p>Session Moderator:</p> <ul style="list-style-type: none"> • Ms Chandrima Chatterjee, Secretary General, Confederation of Indian Textile Industry <p>Panelist:</p> <ul style="list-style-type: none"> • Dr. Pankaj Kumar, National Project Coordinator, UNIDO • Dr. Ramesh Kumar, Vice President -EHS, Welspun Group • Mr. Ravindra Arya, Director, Palsana Enviro Protection Limited • Mr. Shaleen Toshniwal, Co-Founder, OneMile by House Of Banswara Brands
<p>1230 hrs – 1320 hrs: Panel Discussion</p>	<p>1230 hrs – 1320 hrs: Panel Discussion</p>
<p><i>Formalizing the circular economy in apparel industry – Framing PIBO & consumer responsibility</i></p> <p>Discussion points:</p> <ul style="list-style-type: none"> • EPR – vs – voluntary ‘incentive’ models for tackling PIBO accountability • Role of structured incentivization in the post-consumer process – Understanding & shaping consumer behaviour • Addressing apparel waste with rewards-based value-chain mechanisms • How rag picker communities, NGOs, end-users & PIBOs can synergize efforts to help manage landfill deposits • Combating the fast fashion menace in the social media age – Tackling fast-moving next-gen buying trends to better manage the waste menace 	<p>Innovative water solutions for sustainable food & beverage manufacturing</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Regulatory guidelines for water management in food processing units • Water minimization & water recycling in F&B manufacturing • Advanced water treatment systems for the F&B industry • Role of predictive technologies in sustainable water management • Global Best Practices in sustainable water management practices • Economic impact of water conservation in F&B industry • Case study illustration on water usage & wastewater treatment in F&B plant operations <p>Session Moderator:</p>

<ul style="list-style-type: none"> • How evolved brands can shape consumer buying behaviour – From repair services to incentivisation of recycling & upcycling garments to structuring forward-looking sustainability-based reward & loyalty programs • Consumer awareness & education programs – Framing progressive buyer behaviour by emphasizing recycling, upcycling, thrift shopping, & exposure to healthy material options • Role of technology at source – Improving or substituting manual slow-moving segregation & sorting processes <p>Session Moderator:</p> <p>Panelist:</p> <ul style="list-style-type: none"> • Mr. Naveen Sainani, Owner, Fritzberg and Honorary General Secretary, ESG Sub-Committee, The Clothing Manufacturers Association of India (CMAI) • Ms Neha Gupta, Founder, International Fashion Business Exchange Council • Mr Rahul Mehta, Chief Mentor, The Clothing Manufacturers Association of India 	<ul style="list-style-type: none"> • Ms Shwetali Thakare, Member (Economics), Maharashtra Water Resources Regulatory Authority <p>Panelist:</p> <ul style="list-style-type: none"> • Mr Manoj Shinde, Vice President of Manufacturing, Switz International Private Limited • Dr Rita Dhodapkar, Former Science Secretary and Principal Technical Officer, CSIR- National Environmental Engineering Research Institute
<p align="center"><i>1320 hrs – 1420 hrs</i> <i>Networking Lunch</i></p>	
<p align="center">1420 hrs – 1510 hrs: Panel Discussion</p>	<p align="center">1420 hrs – 1510 hrs: Panel Discussion</p>
<p align="center"><i>How global consensus is driving India's plastic waste management agenda</i></p>	<p align="center"><i>Securing water for sustainable mining – Perspectives on critical minerals, circularity & climate resilience</i></p>

Discussion points:

- Global Plastics Treaty & Intergovernmental Negotiating Committee (INC)-5.2 (August 2025) in Geneva – Reshaping the regulatory landscape for businesses worldwide
- INC-5.2 – Assessing business implications for corporate India
- Not just compliance but leading business transition – Proactively managing supply chain disruption, technology innovation & infrastructure creation
- How new compliance standards will drive transparency & traceability across value chains to minimize future regulatory risk
- Opportunity for Indian businesses – Future proofing business models in era of accountability & sustainability
- Integrating circular business models to offset forecasted higher sustainability costs
- Understanding policy mandates prescribing PIBO responsibility for use & reuse of plastic waste
- Impact of INC-5.2 on EPR legislation & alternatives to single-use plastics

Session Moderator:

- Dr Sameer Joshi, Chairman, Indian Plastics Institute

Panelist:

- Mr Ganesh Kalia, Director – Sustainability & Corporate Affairs, Bisleri International Pvt. Ltd.

Discussion points:

- Policy & regulatory landscape governing water use in mining
- Industry Best Practices in reducing water footprint & enhancing circularity in mining
- Community level water stewardship – Mining's role in shared water resources and roles & rights of indigenous people
- Financing smart water mining – Risks, impacts & opportunities for circularity
- Role of digital tools & AI in water risk management in mining

Session Moderator:

Panelist:

- Mr Arvind Bodhankar, Chief Sustainability Officer, ArcelorMittal Nippon Steel India
- Ms Kavita Sachwani, Sr. Implementation Guidance Coordinator and Circular economy & Pollution Lead for banks, UNEP Finance Initiative, Industry and Economy Division, United Nations Environment Programme Finance Initiative
- Mr Prabodha Acharya, Chief Sustainability Officer, JSW Steel Limited

<ul style="list-style-type: none"> • Dr Nandkumar Namdev Gurav, Technical Advisor, Maharashtra State Pollution Control Board, Government of Maharashtra • Ms Priyanka Singh, Programme Lead, Council on Energy, Environment and Water (CEEW) • Mr Vaibhav Rathi, Senior Technical Advisor, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH • Dr Vijay G Habbu, Former SVP – Reliance Industries and Industry Expert (Recycling Policies) 	
	1520 hrs – 1610 hrs Panel Discussion
	<p><i>HydroHubs in India and Overseas – Experiences from Centres of Excellence for Water in Leading Universities, Corporates and HydroNations</i></p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Key transformative changes in the water industry in India & globally • Analysing hydrohub success stories – Piecing together ecosystems to form catalytic communities • How innovation & services at hydrohubs are addressing untapped areas of promise in the Indian & global water sector • Lessons learned from hydrohub Best Practices over the years • Glimpsing pathbreakers & changemakers – Tech & services companies transforming the water sector in India & globally <p>Session Moderator:</p> <ul style="list-style-type: none"> • Prof. (Dr.) Abhishek Sharma, Department of Chemical Engineering, BITS Pilani K K Birla Goa Campus

	<p>Panelist:</p> <ul style="list-style-type: none"> • Mr E Nandakumar, Chief Executive Officer, International Centre for Clean Water • Dr Sabita Singh, Director (Scientist-E), National River Conservation Directorate, Department of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti, Government of India
	<p>1620 hrs – 1735 hrs Panel Discussion</p>
	<p>Circular economy for water-secure agriculture</p> <p>30-minute Problem Statement: How rise in water demand in urban areas including for high value irrigated agriculture in sub-urban & peri-urban areas are accentuating stress on India's freshwater resources</p> <p>Discussion points:</p> <ul style="list-style-type: none"> • How rise in water demand for market-driven irrigated agriculture stresses finite water resources • Feasibility of integrating reuse of treated used water for irrigation in peri-urban & suburban areas and its potential benefits • Addressing concerns for reusing treated used water for irrigation • Best practices in treated used water reuse in agriculture <p>Session Moderator:</p> <ul style="list-style-type: none"> • Mr Nitin Bassi, Fellow - Sustainable Water Programme, Council on Energy, Environment and Water (CEEW) <p>Panelist:</p>

- Mr Ajith Radhakrishnan, Senior Specialist, The World Bank
- Dr Girija Bharat, Managing Director, Mu Gamma Consultants
- Dr Alok Sikka, Country Representative - India, International Water Management Institute

30-minute Trouble-Shooting Statement:

Reuse of treated used water in irrigated agriculture – A timely green tonic for achieving water security & building climate adaptation

Discussion points:

- Ensuring high fidelity in quality of secondary treated water in agriculture
- Monitoring for presence of heavy metals & emerging contaminants
- Role of ULBs & technology
- Models for financing reuse projects & ULB revenue generation streams
- Role of local urban government in developing & implementing targeted water reuse plans

Panelist:

- Dr Victor Shinde, Head – Climate Center for Cities, National Institute for Urban Affairs

Followed by 15-minute Q&A