



# ITPI-HRC | 20 NORTH ZONE CONFERENCE | 24

Urban Ecology and Environmental  
Challenges



26th October, 2024



The Westin Resort, Sohna, Gurugram

## *Souvenir*





# INDEX

- » Message from the Chairman, ITPI-HRC
- » Programme Schedule
- » Profile of Session Chairpersons
- » Profile of Session Presenters
- » Our Sponsors



# MESSAGE

## FROM THE CHAIRMAN

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Dear Esteemed Participants, Colleagues, and Friends,

It is with great pleasure that I welcome you all to the North Zone Conference on *Urban Ecology and Environmental Challenges*. This event, organized by the Institute of Town Planners, India – Haryana Regional Chapter, comes at a pivotal time when the challenges of urbanization and environmental sustainability demand our focused attention.

Today, as we explore critical themes such as air quality, water neutrality, climate change, and waste management, I am confident that our discussions will lead to actionable insights that can drive meaningful change. The presence of eminent speakers and experts, along with the technical sessions focusing on 'Vayu', 'Jal', and 'Prithvi', will deepen our understanding of these pressing issues.

I am particularly proud to announce the inauguration of the ITPI-HRC Gurugram Centre, a significant milestone for our chapter, reflecting our ongoing commitment to advancing urban planning in Haryana.

I trust that your participation in this conference will be intellectually enriching and inspiring. The serene surroundings of the Westin Resort, Sohna, will provide the perfect environment for both formal discussions and informal networking. I encourage you to actively engage in the panel discussions on emerging environmental challenges and take full advantage of the opportunity to collaborate with peers from across the region.

Thank you for your time, your ideas, and your contributions to this important gathering. I wish you a fruitful and enjoyable stay

**P. P. Singh**  
**Chairman,**

**Institute of Town Planners, India – Haryana Regional Chapter**

# PROGRAMME

## SCHEDULE

### Registration for Conference (9:30 AM onwards)

#### Inaugural Session (10:00 AM to 11:00 AM)

10:00 AM	Seating of guests on the dais and floral welcome
10:05 AM – 10:10 AM	Lighting the Lamp
10:10 AM – 10:20 AM	Welcome address by Sh. P. P. Singh, Chairman, Haryana Regional Chapter (ITPI)
10:20 AM – 10:30 AM	Context setting by Sh. N. K. Patel, President, ITPI, New Delhi
10:30 AM – 10:40 AM	Address by Chief Guest– Sh. P. Raghavendra Rao, Chairman, HSPCB
10:40 AM – 10:50 AM	Address by Guest of Honour -Sh. Raj Vir Singh, CTP (Retd.)
10:50 AM – 10:55 AM	Inauguration of ITPI-HRC Gurugram Centre
10:55 AM – 11:00 AM	Felicitation of Chief Guest and Guest of Honour

### High Tea (11:00 AM – 11:15 AM)

#### Technical Session 1 – Vayu (11:15 AM – 12:15 PM)

Session Chairperson: Sh. P. Raghavendra Rao, Chairman, Haryana State Pollution Control Board, Panchkula.  
Session Rapporteur: Ms. Shally, ATP, TCPD

11:15 AM – 11:20 AM	Introduction by Session Chairperson
11:20 AM – 11:45 AM	Emerging Mandates for Air Quality Control by Smt. Anumita Roychowdhury, Executive Director, Research and Advocacy, CSE, Delhi.
11:45 AM – 12:00 Noon	Urban Morphology as Passive Driver for Air Pollution and Heat by Sh. Rajneesh Sareen, Programme Director, Sustainable Building & Habitat Programme, CSE, Delhi.
12:00 Noon – 12:10 PM	Q & A Session and Summing Up by Session Chairperson
12:10 PM – 12:15 PM	Felicitation of Speakers

Technical Session 2 – Jal (12:15 PM - 01:30 PM)  
 Session Chairperson: Dr. Sanjay Gupta, Council Member, ITPI  
 Session Rapporteur: Ms. Jyoti Yadav, ATP, TCPD

12:15 PM – 12:20 PM	Introduction by Session Chairperson
12:20 PM – 12:45 PM	Water Neutrality by Ms. Fawzia Tarannum, Strategic Advisor, Gurujal
12:45 PM – 01:05 PM	Urban Flooding by Sh. Tapas Paul, Lead Environmental Specialist, World Bank
01:05 PM – 01:15 PM	Q & A Session and Summing Up by Session Chairperson
01:15 PM – 01:20 PM	Felicitation of Speakers

### Lunch (01:20 PM to 02:30 PM)

Technical Session 3 – Prithvi (02:30 PM – 3:30 PM)  
 Session Chairperson: Sh. V. P. Kulshrestha, Secretary General, ITPI  
 Session Rapporteur: Ms. Garima, ATP, TCPD

2:30 PM – 2:35 PM	Introduction by Session Chairperson
2:35 PM – 2:50 PM	Cities and Climate Change by Dr. Arun Kansal, Professor, Department of Regional Water Studies, TERI School of Advanced Studies, New Delhi.
2:50 PM – 3:05 PM	Waste Management in Urban Ecological Systems by Sh. Nitesh Kumar Tripathi, Chief Operating Officer, Evagreen Planet Pvt. Ltd.
3:05 PM - 3:20 PM	Zero Waste Event Guidelines by Ms. Shweta Dua, Technical Advisor, GIZ
3:20 PM – 3:25 PM	Q & A Session and Summing Up by Session Chairperson
3:25 PM – 3:30 PM	Felicitation of Speakers

### High Tea (3:30 PM to 3:50 PM)

Technical Session 4 – Panel Discussion on the Emerging Environmental Challenges (03:50 PM – 05:30 PM)  
 Session Chairperson: Sh. Saswat Bandopadhyay, Professor, Faculty of Planning, CEPT University, Ahmedabad  
 Session Rapporteur: Mr. Anish Grover, ATP, TCPD

	Introduction of Panelists by the Session Chairperson
	Panelist No. 1: Sh. A. Sreenivas, IAS, CEO, GMDA & FMDA
	Panelist No.2: Smt. A. Mona Sreenivas, Commissioner, MCF
	Panelist No.3: Sh. Narhari Bangar, IAS, Commissioner, MCG
	Panelist No.4: Sh. Nishant Kumar Yadav, DC, Gurugram
03:45 PM – 4:45 PM	
04:45 PM – 05:00 PM	Q & A Session
05:00 PM – 05:10 PM	Felicitation of Speakers
05:10 PM – 05:20 PM	Summing Up of the Conference Proceedings by the Session Chairperson
05:20 PM – 05:30 PM	Vote of Thanks by Sh. Lalit Kumar, Secretary, HRC-ITPI, Panchkula.

# PROFILE

## OF SESSION CHAIRPERSONS

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## P. Raghavendra Rao

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Piduru Raghavendra Rao (1985 batch of IAS, Haryana cadre)-retired as the Secretary, Deptt of Chemicals & Petrochemicals, GoI in May 2020.

Earlier, he worked as the Chairman of the State Finance Commission, Haryana from Sept 2020 till Dec 2021. Currently, he is working as the Chairman of the Haryana State Pollution Control Board, since Dec 2021.

Previously, he worked as the Addl Chief Secretary of various Departments in the State of Haryana, including Finance, Town & Country Planning, ULB, Development and Panchayats, Housing, Environment, Personnel, etc.

He did his B. Tech (Mechanical Engg) from the JNTU, Hyderabad, MBA from University of Birmingham, UK, apart from successfully completing various courses, including 'Advanced Course in Public Admn' from the Syracuse University, USA and the 'Course for Senior Managers' from the Kennedy School, Harvard University, USA.

He also worked in various capacities in the GoI, including as the Director in the Department of Food & Public Distribution and as the Executive Director in FCI, etc.



## Sanjay Gupta

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Sanjay Gupta is presently serving as Head, Department of Transport Planning at School of Planning and Architecture , New Delhi. He has nearly 38 years of professional experience including 34 years as a full-time faculty member at SPA Delhi. He is also Coordinator of Centre for Urban Freight Studies (CUFS) and Centre for Shared and Electric Mobility (CSEM) at SPA Delhi. His main areas of interests include Urban and regional planning, transport planning, public transportation, freight logistics, transport demand modeling, land use transport planning, electric mobility, sustainability and policy aspects.

He was awarded the Commonwealth Academic Fellowship at Institute for Transport Studies, University of Leeds (U.K) in 2012 where he also served as a Visiting Professor from 2013-2019. Presently he is a member of National Council of Institute of Town Planners, India



## V. P. Kulshrestha

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Shri V P Kulshrestha has indeed had a remarkable career in the field of urban planning and administration, making significant contributions to the development of major cities in Madhya Pradesh. His innovative and forward-thinking approach, especially in integrating technology into urban planning processes, has set him apart as a trailblazer in the late Nineties.

One notable aspect of his career is his early adoption of computers for the preparation of city development plans, showcasing his commitment to leveraging technology for more efficient and effective urban planning. His role in designing and developing the website of the Institute of Town Planners India (ITPI) further reflects his embrace of technology in the field.

His administrative experience as the Commissioner at the Bhopal Municipal Corporation and his contributions to various government departments, including Land Revenue, Rural Development, and Health, highlight his diverse expertise and valuable insights into municipal governance.

Shri Kulshrestha's proactive approach is evident in his initiative to design and develop software for accessing land records during his tenure in Land Revenue, emphasizing his commitment to streamlining administrative processes through technological advancements.



# Saswata Bandyopadhyay

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Prof. Dr. Saswata Bandhopadhyay, is an Urban Planning professional with advanced qualifications in Infrastructure Planning and Management, working as Professor in CEPT University. His doctoral research work focused on Climate Change and Urban Vulnerability in India.

He has over 28 years of experience in the Urban Development sector in South Asia with focus on City Development Planning and designing of environmental infrastructure.

He was also involved in several Urban Planning, Sustainable Tourism Development Projects, and Inclusive Heritage Management plan across India. He has proactively engaged in some of the prestigious urban and tourism development assignments funded by The World Bank, Asian Development Bank, Cities Alliance, UCLG Barcelona, UCLG-ASPAC, Government of Bhutan, Government of Sri Lanka and many more. He is presently a member of the High-Level Committee (HLC) under Ministry of Housing and MoHUA for Urban Development Sector and a member of the Working Group set up by the GIZ, India on Land Use Planning Instruments. As a Team Leader, he has been involved preparation and appraisals of several Tourism Development DPRs in the state of Himachal Pradesh, Uttarakhand and Uttar Pradesh, and Inclusive Heritage Based City Development Plans for the city of Varanasi, Hyderabad, Ajmer-Pushkar and Bharuch in India.

# PROFILE

## OF SESSION PRESENTERS

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## Anumita Roychowdhury

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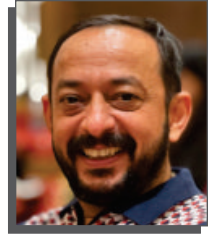
Anumita Roychowdhury is the Executive Director, Research and Advocacy at the Centre for Science and Environment, India. Her distinguished career encompasses a wide range of contribution to the field of sustainable urbanisation including clean air mobility and sustainable habitat.

She has helped to drive the Right to Clean Air campaign at the Centre and to build multi-sector clean air and climate action in states. She has helped to guide some of the key policy campaigns on air pollution especially vehicular pollution and multi-sector climate and clean air action planning in cities. She is working with Indian and African cities to shape the roadmap for low carbon pathways. She has played an active role in several national and global environmental forums and platforms on clean air and climate change.

She has been awarded the prestigious Haagen-Smit Clean Air Award by the California Air Resources Board, California, USA

## Rajneesh Sareen

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Rajneesh Sareen works as the Programme Director for Sustainable Habitat Programme with the Centre for Science and Environment, New Delhi, with working experience of around 24 years on sustainability in the built environment.

Leading Programme's several research, advocacy and capacity building initiatives on sustainable urbanization, affordable housing, thermal comfort, resource efficiency, cooling action plan, cities micro action plans for sectors like air pollution, liveability indices, construction & demolition wastes and its associated impacts, network of Green Educational Campuses etc.

Prior to this he was associated with various National, Bilateral and Multilateral agencies like British High Commission, American Embassy and World Wide Fund for Nature.

An Urban and Environmental Planner from School of Planning and Architecture New Delhi and an IEMA certified advanced environmental systems auditor.

## Fawzia Tarannum

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Dr Fawzia Tarannum is a Water and Sustainability consultant with 27 years of experience in the fields of project management, teaching, and research. She holds a B.Tech in Electrical Engineering from AMU, a Master's in Water and Sustainable Development from IHE Delft, and a Ph.D. in Water Governance from the TERI School of Advanced Studies. Additionally, she completed a Graduate Certificate in Water and Sanitation Governance from Cornell University as a Fulbright Fellow.

Her earlier roles include Assistant Professor at the TERI School of Advanced Studies and General Manager of Marketing at Cleantec Infra Private Limited among others. Currently a freelance consultant, she advises the Zuari Industries Limited, GuruJal, and Engineering and Environment Solutions Private Limited. She is also the Founder of Earthwise Environment and Sustainability Solutions and Co-founder of W for W Foundation.

## Tapas Paul

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Tapas Paul is currently lead environment specialist with the World Bank, in the Environment, Natural Resources & Blue Economy Global Practice. He joined the World Bank in 2000, and has worked in several countries in South Asia, East Asia, Latin America, and Central Asia and Eastern Europe regions. He led the World Bank's work on integrated management of coastal zones in India (2006-14), cleaning of the river Ganga (2009-12), conservation and development of the Sundarbans (2016-19), management of water and natural resources of northeast India (2006-09), fisheries in Maldives (since 2016) and India (since 2018), and forestry in Bangladesh (2016-17). From Last 25 years he is working as a Lead Environmental Specialist at World Bank.

## Arun Kansal

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Prof. Arun Kansal, PhD (IIT Delhi), BE (Civil), M.Tech, has over 29 years of experience in interdisciplinary research, consulting, and teaching in environmental science and climate policy, water resources management, air pollution, waste treatment, and energy-environment linkages. He has held key leadership positions at TERI School of Advanced Studies, including Acting Vice Chancellor and Dean, and currently directs the Centre of Excellence for Waste Management and Research. His international roles include serving as ICCR Chair Professor at Freie Universität, Germany, and as a lead author for the IPCC AR5, WGIII. He has collaborated on projects globally, working with institutions in the UK, USA, Australia, and more. Prof. Kansal's expertise spans technology, policy, and management in sustainability science, and his interdisciplinary approach has fostered innovative research and contributions to discussions on resource efficiency, earning him recognition in media as an expert.

## Nitesh Tripathi

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Nitesh Kumar Tripathi holds an M.Sc in Environmental Sciences and has 25 years of experience in waste management. From 2013 to 2024, he focused on urban municipal solid waste management, overseeing door-to-door collection, source segregation, and the operation of transfer stations, handling waste volumes from 300 TPD to 1200 TPD. He has designed MSW processing facilities and managed sanitary landfill operations. Prior to that, from 1999 to 2012, he coordinated industrial composting projects, operated biogas plants for distilleries, and contributed to EIA processes for sugar and distillery projects. His expertise includes organic certification and consulting for post-methanated residue management.

## Shweta Dua

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Ms. Shweta Dua works with German International Cooperation (GIZ) as an Environment Policy and Resource Efficiency Advisor for the Sustainable Urban Development Smart Cities project. With a background in Environmental Science and MPhil in Natural Resource Management and over 15 years of experience of working at national, state and city level on policy level initiatives, project implementation, training, capacity building and stakeholder outreach in the field of Municipal Solid Waste management.

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Architecture & Design Consultant:- ACPL. Structure Consultant:- TPC. MEP Consultant:-Udayan Chaudhari & Associates Pvt. Ltd. Landscape Consultant:- Raha. Architecture Visualization Consultant:- Lifang

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