



6th Edition

SEWAGE & WASTEWATER TREATMENT

A VIRTUAL CONFERENCE

August 5, 2020

Organisers:

**Indian
Infrastructure**

Smart Utilities

RenewableWatch

Mission

- Sewage generation is increasing rapidly in India, and in the absence of adequate infrastructure for collection and treatment, the already depleting freshwater reserves are being polluted. Sewage generation in urban areas increased from 62,000 million litres per day (mld) in 2015 to 71,000 mld in 2019. The treatment capacity too increased from 23,000 mld to 28,000 mld during this period.
- Over the past few years, the segment has witnessed some important trends and developments. Decentralised sewage treatment facilities are being set up. Recycling and reuse of wastewater and wastewater-to-energy plants is gaining acceptance. Advanced treatment technologies are being adopted for sewage treatment. There is an increasing focus on adding treatment capacity and improving efficiency. Urban local bodies (ULBs) have automated sewage treatment plants and introduced online services to improve their service provisioning.
- The government has also introduced a number of programmes and schemes to strengthen the country's sewerage infrastructure. The Namami Gange programme, the Smart Cities Mission and the Atal Mission for Rejuvenation and Urban Transformation were launched to help scale up infrastructure capacities. Further, ULBs are taking steps to achieve financial independence.
- Meanwhile, new public-private partnership (PPP) models and long-term operations and maintenance contracts are being introduced to encourage private sector participation. This has already resulted in improvements in operational performance and sewage management in Nagpur, Delhi, Surat, Chennai and Bengaluru.
- Supervisory control and data acquisition systems, geographic information systems, satellite surveillance and remote sensors, etc. are now being deployed across the country for monitoring collection and treatment with minimum human interference. Further, emphasis is being laid on improving customer engagement and experience.
- In all, the sector seems to be growing with a noticeable improvement in operational parameters, though a lot of work still remains to be done. Capacities are still inadequate to meet the current demand. ULBs are suffering from a combination of lack of modern technologies and systems, and financial stress. Further, the outbreak of Covid-19 has also put a halt on the ongoing and planned projects across the country. It has resulted in liquidity constraints, pressure on supply chains, shortage of labour and cost overruns.
- For the sector to grow, a pragmatic approach needs to be adopted to rationalise user charges, devise new strategies to fast-track project implementation and expand funding sources. Furthermore, the cost and time overruns, and the lack of private sector investment need to be addressed on an urgent basis.
- **The mission of this conference is to discuss the trends, developments and key challenges in sewerage and wastewater treatment markets, identify the potential strategies to fast-track implementation, and highlight near and medium-term outlook and opportunities in the wastewater segment in India. The conference will provide a platform to showcase noteworthy projects, best practices as well as recent innovations in technology and equipment.**

Target Audience

The conference is targeted at:

- Automobile companies
- Consulting firms
- Technology providers
- Wastewater treatment companies
- Policymakers and regulators
- Commercial and industrial units
- Pollution control boards (central and state)
- Research and development organisations
- O&M contractors
- Multilateral funding agencies
- State housing development authorities
- Equipment providers (pumps, pipes, etc.)
- ULBs and relevant government bodies
- Infrastructure development organisations
- Public health departments
- Urban planning and development agencies
- STPs
- Instrumentation and monitoring solution providers
- Residential housing complexes
- Etc.

Previous Participants

Some of the participants at our previous conferences on “SEWAGE & WASTEWATER TREATMENT” include Aditya Birla Management Corporation, Ahmedabad Municipal Corporation, Aparna Constructions and Estates, Agile Process Chemicals, Alembic, AUMA India, Bangalore Water Supply & Sewerage Board, BASF, Bharat Heavy Electricals, Black & Veatch, Bosch, Caterpillar India, C.R.I Pumps, Consortium for DEWATS Dissemination Society, Chandernagore Works, Creative Entrepreneurs, CRISIL Infrastructure Advisory, Crisil, CSIR- IGIB, CGWB Delhi, Delhi Jal Board, Delhi State Industrial and Infrastructure Development Corporation, Dyal Singh College University of Delhi, Ernst & Young, Evio, Forbes Marshall, Gainwell Composites, Gardner Denver, GMMCO, Grundfos, Gujarat International Finance Tec-City, Gwalior Smart City Development Corporation, Hach, Hitachi Zosen, HYVA, ICRA, IFC, IIT Delhi, Ion Exchange, Jain Irrigation Systems, Jash Engineering, JWIL, Kanpur Municipal Corporation, Kishore Pumps, Kohler India Corp., Konecranes and Demag, KSB Pump, L&T Valves, Mahagenco (MSPG) Mumbai, Mahavir Synthesis, McElroy Sales and Service, Ministry of Urban Development, Mitsubishi Hitachi Power Systems, Municipal Corporation Faridabad, Municipal Corporation Raipur, Nabadiganta Water Management, Nagar Palika Parishad Kannauj, Nagpur Environmental Services, National Institute of Urban Affairs, National Mission For Clean Ganga, National Institute of Technology Karnataka, Navi Mumbai Municipal Corporation, NDMC, NJS Consultants Co., NTPC, Oil and Natural Gas Corporation, Organica Water, Pimpri Chinchwad Municipal Corporation, Praj Industries, PWC, Public Health Engineering Department, Punjab Pollution Control Board, Raipur Municipal Corporation, Rex Polyextrusion, Reliance Industries, Sadhan Environment, Schwing Stetter, SFC Environmental Technologies, Shah Technical Consultants, Shell India Markets, Shubham Acqualink, SMS Envocare, SMS Infrastructure, Swach Environment, Tata Projects, Tata Services, Tata Consulting Engineers, Tata Relief Committee, Technofab Engineering, Thane Municipal Corporation, The World Bank, TIFAC, Town and Country Planning Organisation Ministry of Urban Development, UP Jal Nigam, VA Tech Wabag, Vag Valves, Vishvaraj Infrastructure, Voltas Limited, Water Health India, WILO Mather and Platt Pumps, Wipro Enterprises, Xylem, etc.

DRAFT AGENDA

KEY TRENDS AND OUTLOOK

- ❖ What are the key developments in the wastewater treatment and management segment?
- ❖ What are the key programmes and incentives to promote wastewater treatment and management (AMRUT, Smart Cities Mission, Namami Gange Programme, etc.)?
- ❖ What are the potential challenges pertaining to Covid-19 (in terms of implementation delays, shortage of labour and raw materials, etc.)?
- ❖ What are the new and emerging opportunities and future outlook?

ULB PERSPECTIVE: CURRENT STATE, NEW INITIATIVES, OPPORTUNITIES AND CHALLENGES

- ❖ What is the current state of wastewater services in your city? What are the recent initiatives taken in the wastewater management space?
- ❖ What specific steps are being taken to fast-track construction work post lockdown? What are some of the relief measures announced by the government?
- ❖ What are the upcoming projects and opportunities? What have been the biggest issues and challenges?

COST ECONOMICS AND NEW BUSINESS MODELS (HAM, ONE CITY-ONE OPERATOR, ETC.)

- ❖ What factors determine the viability of wastewater treatment and management projects?
- ❖ What are the new and innovative funding sources for these projects?
- ❖ What are the new business models being explored for project implementation? What are the key sources of revenue?
- ❖ What steps are being taken to market the residues or by-products of STPs?

POTENTIAL FOR PRIVATE SECTOR PARTICIPATION

- ❖ What has been the private sector experience in the wastewater management segment?
- ❖ Which are some of the successful PPP projects? What lessons can be learnt from these?
- ❖ What are the key risks and challenges particularly in light of the Covid-19 pandemic? What are the emerging opportunities and prospects for private players?

NAMAMI GANGE PROGRAMME: EXPERIENCE, PROGRESS, NEW PROJECTS AND OPPORTUNITIES

- ❖ What is the scope of the programme? What has been the progress so far?
- ❖ What has been the impact of Covid-19 on project delivery and implementation? What strategies are being considered to fast-track implementation?
- ❖ What are the new and emerging opportunities?

ATAL MISSION FOR REJUVENATION AND URBAN TRANSFORMATION: EXPERIENCE, PROGRESS, NEW PROJECTS AND OPPORTUNITIES

- ❖ What is the scope of the programme? What has the progress so far?
- ❖ What are some of the noteworthy projects? What lessons can be learnt from these?
- ❖ What has been the impact of Covid-19 on project delivery and implementation? What strategies are being considered to fast-track implementation?
- ❖ What are the new and emerging opportunities?

DECENTRALISED WASTEWATER TREATMENT: EXPERIENCE, NEW INITIATIVES AND OPPORTUNITIES

- ❖ Which are some of the noteworthy projects for decentralised wastewater treatment? What are the specific benefits in terms of cost, O&M and financial sustainability?
- ❖ How viable is wastewater recycling in terms of costs, quality, sustainability, etc.? What are the key benefits of zero liquid discharge?
- ❖ How has been the uptake of such solutions? What are some of the noteworthy initiatives in this space?
- ❖ What is the future potential? What are the issues, challenges?

WASTEWATER TO ENERGY

- ❖ What initiatives have been taken in the wastewater-to-energy space? What has been the experience so far?
- ❖ What are the upcoming projects and opportunities?
- ❖ What is the future potential? What are the key issues and challenges?

FOCUS ON TREATMENT TECHNOLOGY: NEW TRENDS AND ADVANCEMENTS

- ❖ What are the most prevalent wastewater treatment technologies? Which technologies have been more successful (in terms of cost effectiveness, footprint, plant performance, quality of treatment, etc.)?
- ❖ What are the emerging trends and advancements in this space? What are the global best practices?
- ❖ What are the specific trends in the use of SCADA, GIS, RMS and CRM in wastewater treatment infrastructure?
- ❖ What are the key issues and challenges?

EQUIPMENT REQUIREMENTS (PIPES, PUMPS, VALVES, BULK FLOW METERS, ULTRASONIC METERS, ETC.)

- ❖ What are the emerging trends and advancements in the equipment segment?
- ❖ How is the industry gearing up to meet the emerging equipment requirements for wastewater treatment and management?
- ❖ What are the key issues and challenges?

What differentiates our conferences?

- The **agenda** is developed by our researchers, who track the sector round the year. It is thus **relevant** and **topical**. It is not driven by a particular organisation and does not have a particular slant.
- The **speakers** are **professionals** and **experts** involved in the sector, not a mix of ambassadors, ministers, celebrities and business owners.
- The conferences do not just comprise panels and speeches; they provide a good mix of **expert presentations** and **case histories**, and of course **panel discussions**.
- We have **representation** from **across the country**, as is the case at our physical conferences too.
- Each **stakeholder group** – **policymakers, developers, financiers, consultants** and **relevant NGOs** – is represented at our conferences.
- The moderators merely ask the questions. The **stars** are the **speakers** themselves.
- The **sessions begin and end on time**.
- There is adequate time for a **Q&A session** with **each speaker**. These are not “hit and run” speeches.
- The **delegates** are **professionals** who are vested in the sector, and are not just assembled through social media.
- A **recap** of the conference is also made available to reinforce the key takeaways.

Delegate benefits (Virtual Conference)

- Direct interaction with senior speakers (Q&A facility)
- Easy connectivity to geographically dispersed delegates (click of a mouse)
- Cost effective (lower ticket price as compared to a physical conference)
- Offers flexibility and convenience
- Access to conference recording
- Recap of conference sessions
- Contributes to sustainability and lower carbon footprint

Benefits of sponsorship (Virtual Conference)

- E-Meet influencers and decision-makers/
- Reach out to and engage with new or active prospects
- Generate high quality sales leads
- Increase brand recognition
- Target a captive and engaged audience
- Drive website traffic through social media promotions
- Position your company as the thought-leader in your industry

SEWAGE & WASTEWATER TREATMENT

August 5, 2020

Registration Fee

	INR	GST@18%	Total INR	Total USD
1 Login	6,000	1,080	7,080	100
2 - 3 Logins	12,000	2,160	14,160	200
4 - 5 Logins	18,000	3,240	21,240	300
6 - 9 Logins	24,000	4,320	28,320	400
10 - 20 Logins	30,000	5,400	35,400	500

- GST @18 per cent is applicable on the registration fee.
- There are special complimentary delegate logins for the urban local bodies, pollution control boards, municipalities, regulatory authorities, academic and research institutions.
- Registration will be confirmed on receipt of the payment.
- To register online, please log on to <https://indiainfrastructure.com/events/6th-edition-sewage-wastewater-treatment-a-virtual-conference/>

Please send wire transfer payments to:

Beneficiary India Infrastructure Publishing Private Limited
 Bank Name The Hongkong and Shanghai Banking Corporation Ltd
 Bank Address R-47, Greater Kailash-1, New Delhi-110048, India

Bank Account No. 094179587002
 Swift Code HSBCINBB
 IFSC Code HSBC0110006
 GSTIN 07AAACI5880R1ZV

Sponsorship
opportunities are
available

Payment Policy:

- Full payment must be received prior to the conference.
- Payments for "early bird" registrations should come in before the last date of discount. Discount offers cannot be combined with any other offer.
- Conference fees cannot be substituted for any other product or service being extended by India Infrastructure Publishing Pvt. Ltd.

Organisers

The conference is being organised by **India Infrastructure Publishing**, a leading provider of information on the infrastructure sectors through magazines, newsletters, reports and conferences. The company publishes **Indian Infrastructure**, **Smart Utilities** and **Renewable Watch** magazines. It also publishes a series of reports on the infrastructure sectors including **Sewage Treatment Market in India** and **Municipal Solid Waste Market in India**. It also publishes **Urban Water & Sanitation News** (a weekly newsletter) and the **Water Industry Directory & Yearbook**.

Contact: Nishpreet Bhasin, Conference Cell, India Infrastructure Publishing Pvt. Ltd.

B-17, Qutab Institutional Area, New Delhi 110016

Tel: +91-9953452964 | E-mail: nishpreet.bhasin@indiainfrastructure.com