

12th Edition

STP & WASTEWATER MANAGEMENT

INDUSTRIAL • MUNICIPAL

Best Practices, Innovations and Emerging Solutions

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Organiser:

Indian Infrastructure

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TENTATIVE CONFERENCE PROGRAM

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KEY TRENDS AND MARKET OUTLOOK

- What are the key trends and recent developments?
- What are the key challenges?
- What is the market outlook?

AMRUT: PROGRESS & PRIORITIES

- What has been the progress so far on AMRUT, AMRUT 2.0 and Jal Hi Amrit?
- What are the key issues and challenges?
- What will be the focus areas and future targets?

NAMAMI GANGE MISSION: PROGRESS & PRIORITIES

- What has been the progress so far in terms of wastewater treatment capacity and river water quality?
- What decentralised wastewater treatment technologies are being deployed?
- What are the key issues and challenges? What are the key priorities and initiatives planned?

KEYNOTE SESSION: ROADMAP FOR SUSTAINABLE WASTEWATER MANAGEMENT IN INDIA

- What has been the progress so far, and what are the biggest challenges?
- What should be the key priorities for building a sustainable wastewater management roadmap in India over the next decade?
- What policy, regulatory and financing reforms are needed to scale wastewater treatment and reuse?
- What role can technologies play in improving the efficiency and resilience of wastewater management?

STATE/ULB PERSPECTIVE: STRENGTHENING MUNICIPAL SEWAGE TREATMENT & URBAN WASTEWATER SYSTEMS

- What is the current sewage treatment capacity?
- What are the new initiatives being taken/planned for the capacity addition and upgradation/ rehabilitation of existing STPs?
- What are the key challenges?
- What are the future requirements?

CONTRACTORS' PERSPECTIVE: EXPERIENCE SO FAR AND FUTURE FOCUS AREAS

- What has been the experience so far? What are the key challenges?
- What are the emerging trends and new practices in construction and project execution?
- What are the expectations from the government and other stakeholders?
- What are the future focus areas?

INDUSTRIAL WASTE WATER MANAGEMENT: BEST PRACTICES, INNOVATIONS AND COMPLIANCE

- What are the current best practices in wastewater management by industries?
- How are emerging technologies such as ZLD, membrane systems, AI-driven monitoring and resource recovery delivering the improvements in industrial wastewater treatment?
- What are the challenges in achieving consistent wastewater compliance? How can these be addressed?
- What are the future plans and targets?

WASTEWATER REUSE AND CIRCULAR ECONOMY

- What has been the experience so far? What are the key issues and challenges?
- What innovations and best practices can be adopted to scale wastewater reuse?
- What policy and market incentives are needed to increase the reuse of treated wastewater?
- What is the future outlook and upcoming opportunities?

FOCUS ON DESALINATION

- What has been the experience of industries and utilities? What are some key initiatives and recent projects?
- What is the current state of deployment of thermal and membrane desalination technologies?
- What are the key challenges in brine management? How are they being addressed?
- What are the key trends that will shape the desalination market in India?

DIGITAL TRANSFORMATION IN WASTEWATER MANAGEMENT

- How are digital transformation and automation redefining the planning, design, construction and O&M of STPs? What are the key initiatives?
- What are the key challenges?
- What is the potential of emerging technologies and tools like AI/ML, digital twins, predictive analytics, robotics, etc.?
- What is the future outlook?

FINANCING AND INVESTMENT

- What are the current financing models in the sector? What has been the experience so far?
- What are the key challenges?
- What policy and regulatory reforms are needed to de-risk wastewater projects and encourage domestic and international investors to invest in India's wastewater sector?
- What new and innovative financing mechanisms can be explored?

NETWORK O&M AND ASSET MANAGEMENT

- What are the key trends in the O&M and asset management of STPs? What has been the experience so far?
- What are the key challenges?
- What role is technology playing in O&M and asset management?
- What is the future outlook and upcoming opportunities?

NEW FOCUS AREAS IN WASTEWATER TREATMENT (Decentralised Systems, ZLD and Wastewater to Energy)

- What has been the experience so far? What is the potential?
- What are the key challenges to adoption and scale-up/commercialisation?
- What policy support or incentives are required?
- What is the future outlook and upcoming opportunities?

PROJECT SHOWCASE: SUCCESSFUL SEWAGE TREATMENT AND WASTEWATER REUSE MODELS

- What are the key features and highlights?
- What are the key challenges?
- What were the key lessons?

TECHNOLOGY AND EQUIPMENT SHOWCASE

- What are the new equipment and technological advancements shaping the segment?
- What are the key benefits? What is the current adoption?
- What is the future outlook?