

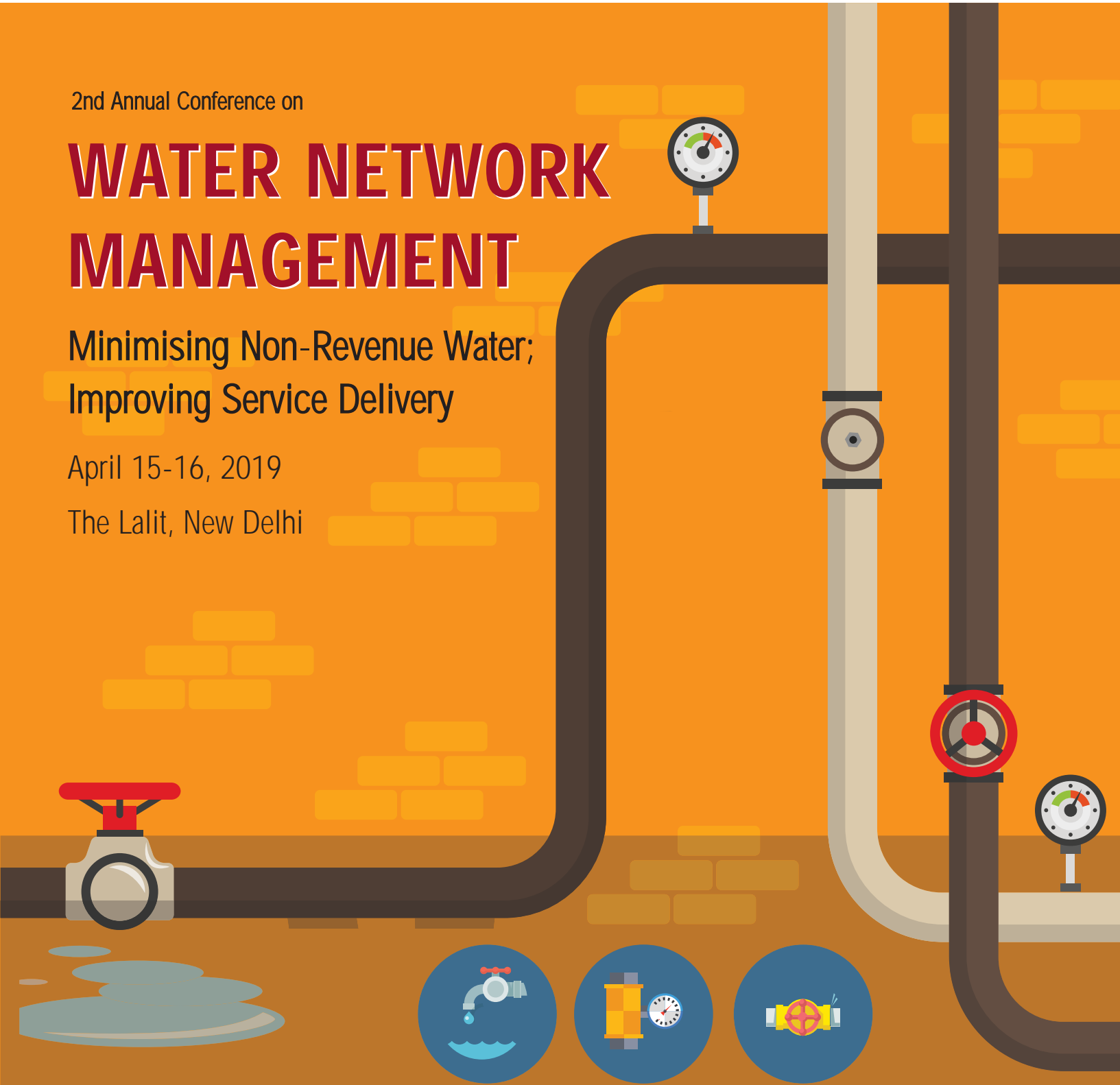
2nd Annual Conference on

WATER NETWORK MANAGEMENT

Minimising Non-Revenue Water;
Improving Service Delivery

April 15-16, 2019

The Lalit, New Delhi



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WATER NETWORK MANAGEMENT

Mission

- The urban local bodies (ULBs) in India have reported very high levels of non-revenue water (NRW), which accounts for at least 50 per cent of their water supply. NRW includes water that is lost due to leakages in transmission and distribution networks; consumption that is authorised but not billed; and losses owing to illegal connections and metering inaccuracies.
- The challenges faced by the majority of ULBs today are quite similar. These are large proportions of water loss in the distribution network, intermittent supply, poor asset management, low tariffs, excessive groundwater withdrawal, deterioration of water quality, lack of capacity in water utilities, and environmental and pollution issues.
- Some of the ULBs have acknowledged these issues and adopted water network management systems with smart distribution and automation mechanisms to reduce their water losses. District metered areas have also been established to manage water distribution networks. Pipeline repair/replacement works are being carried out to plug leakages and replace obsolete pipes. ULBs are also adopting advanced methods of metering and bill collection. Besides, detailed mapping of assets and underground utilities, and the deployment of leakage control technologies are key steps taken to contain the losses resulting from the increasing NRW levels. Bigger cities such as Ahmedabad, Pune, Surat, Delhi, Kochi and Bengaluru are actively taking these actions. Tier II and Tier III cities too have started to undertake initiatives/measures to reduce water losses.
- Private sector participation is also being encouraged in this space for improved efficiency and cost optimisation. Thus, customised solutions are being designed and deployed. New and advanced technologies such as internet of things (IoT)-based smart pipes, leak detection robots and SmartBall leak detection solutions are also gaining prominence.
- Nevertheless, the experience thus far suggests that there is huge scope for improving service delivery and scaling up investments in NRW reduction strategies. More private sector investment could easily come in if the key constraints are addressed. Although the implementation of NRW reduction strategies and solutions has been slow, there are enough successes to provide a roadmap for the future. Thus, the segment offers huge opportunities for technology providers, manufacturers of pipelines and other key materials, and equipment suppliers.
- **The mission of this conference is to examine the state of water network management in Indian cities with a focus on strategies and solutions for minimising NRW and improving service delivery. The conference will also discuss noteworthy initiatives/best practices, highlight the upcoming opportunities and the key challenges, as well as showcase the latest technologies and equipment.**

Target Audience

The conference is targeted at officials and managers from:

- ULBs and relevant government bodies
- Policymakers and regulators
- Urban planning and development agencies
- Water meter manufacturers
- Consulting firms
- Pipeline construction firms
- Steel and stainless steel producers

- Water network management companies
- Leak detection agencies
- Instrumentation and monitoring solution providers
- Other technology providers
- Commercial and industrial units
- Civil work contractors
- Bulk water suppliers

Previous Participants

The participants in our previous edition and related conferences included Afcons, Ahmedabad Municipal Corporation, AIUT Technologies, Aparna, APGENCO, Aquatech, Auma India, Bangalore Water Supply and Sewerage Board, Bank of America, BASF, Bentley Systems, BHEL, Black & Veatch, Bosch, CDD, CESC, CGWB, Chandigarh Municipal Corporation, Creative Entrepreneurs LLP, CRI Pumps, CRISIL, CWC, Delhi Jal Board, Dharwal Infrastructure, DSIIDC, EDMC, Electrosteel Casting, Essar Power, EVIO, Forbes Marshall, Gannon Dunkerley, GE Water, Grundfos, GSECL, Gujarat International Finance Tec-City Co, HEG, IDEck, IIT Delhi, IL&FS, Indian Hume Pipe, International Finance Corporation, Jain Irrigation, Jash Engineering, JSPL, JUSCO, Kalpataru Power, Kamstrup, Kishor Pumps Kohler India Corporation, KSB Pumps, L&T Construction, L&T Valves, Loni Nagar Palika, Lucknow Nagar Nigam, Magikminds, MAHAGENCO, McElroy Sales & Service India, Municipal Corporation Yamunanagar, Nabha Power Limited, Nagar Nigam Varanasi, Nagar Palika Parishad Modinagar, National Institute of Urban Affairs, National Mission for Clean Ganga, NDMC, NJS, NPCC, NTPC, ONGC Limited, Organica Water, Paharpur Cooling Towers, PCMC, Praj, Public Health Engineering Department, Punjab Pollution Control Board, PWD, Rex Polyextrusion, Royal Danish Embassy, Schwing Stetter, Secure Meters, Sensus, SFC, SFC Environmental Technologies, Shah Technical Consultants, Shubham Acqualink, SMEC, SMS Envocare, STUP Consultants, Tata Consulting Engineers, Tata Power, Tata Projects, Technofab Engineering, TERI, Thane Municipal Corporation, Thermax Limited, TISS, Town and Country Planning Organisation, Town Municipal Council, Maski, TSGENCO, UP Jal Nigam, UK Trade & Investment, Uniper Technologies, UP Jal Nigam, URS India, VA Tech Wabag, VAG India, VEGA India, Vishvaraj Infrastructure, Voltas, Xylem Water Solutions, Water Health, Weir Minerals, WILo Mather & Platt Pumps, Wipro Water, World Bank, etc.

AGENDA/STRUCTURE

TRENDS, RECENT DEVELOPMENTS AND TARGETS

- ❖ What are the current levels of NRW in Indian cities? What are the recent trends and developments in this field?
- ❖ What is the NRW target set at the national and ULB levels? What are the strategies and measures for achieving this target?
- ❖ What are the some of the noteworthy initiatives and best practices? What is the future outlook?

UTILITY PERSPECTIVE: CURRENT STATUS, MEASURES AND FUTURE STRATEGIES

- ❖ What is the current level of NRW in your city? What are the current revenue losses resulting from NRW?
- ❖ What are some of the successful NRW reduction measures/strategies adopted?
- ❖ What are the operational constraints faced by water utilities? What are the key learnings?

INDUSTRY PERSPECTIVE: NEW TECHNOLOGY, PRODUCTS AND INNOVATIONS

- ❖ What are the key technologies and solutions offered by vendors for reducing NRW?
- ❖ What has been the experience so far? What are the key operational challenges?
- ❖ What are the new options and advancements in this field?

FOCUS ON METERING: CURRENT STATE, NEW TECHNOLOGIES AND OUTLOOK

- ❖ What are the current metering solutions used by Indian water utilities (ultrasonic flow meters, AMR meters, GSM flow meters, etc.)?
- ❖ What has been the experience so far in the adoption of these solutions?
- ❖ What are the new trends and advancements?
- ❖ What are the key issues and concerns?

REVENUE MANAGEMENT SYSTEM: BENEFITS, EXPERIENCE AND CHALLENGES

- ❖ What are the key benefits of deploying a revenue management system? What has been the experience so far in the adoption of such systems?
- ❖ What are the infrastructural requirements for implementing the system?
- ❖ Are ULBs fully exploiting and using the data captured by these systems? What are the key issues and challenges?

FOCUS ON WATER SUPPLY PIPELINES: CURRENT STATE, INNOVATIONS AND OUTLOOK

- ❖ What are the different types of pipes used for water supply (mild steel, RCC, HDPE, etc.)?
- ❖ What are the key considerations that determine the choice of a piping system?
- ❖ What are the new technology developments/innovations?

NETWORK MANAGEMENT & MONITORING: CURRENT PRACTICES AND NEW TECHNOLOGIES

- ❖ What are the technology/analytics solutions available for water supply network management and monitoring?
- ❖ What has been the experience so far? What is the impact of these solutions on asset reliability, failure and maintenance?
- ❖ What are the cost savings that can be achieved? What are the key issues being faced?

AUTOMATION AND INSTRUMENTATION: ROLE OF SCADA, GIS, SENSORS AND OTHER CONTROL SYSTEMS

- ❖ What are the various products and technology solutions for field instrumentation and control?
- ❖ How has been the uptake of such solutions so far? What have been the key benefits and cost savings?
- ❖ What are the new trends and advancements? What are the global best practices?

SOLUTIONS FOR FLOW AND PRESSURE MANAGEMENT

- ❖ What are the key technologies and solutions that can be used for flow and pressure measurement?
- ❖ What has been the experience so far in the adoption of these solutions?
- ❖ What are the key issues and challenges?

LEAKAGE DETECTION TECHNOLOGIES AND SOLUTIONS

- ❖ What are the different types of technologies/equipment available for leakage detection?
- ❖ What are the recent innovations and advancements in India? What are the global best practices?
- ❖ What are the key issues and challenges?

EQUIPMENT SHOWCASE (LEAK DETECTORS, FLOW METERS, ULTRASONIC METERS, ETC.)

- ❖ What are the key trends in the equipment market?
- ❖ What are the recent developments and innovations in India and globally?
- ❖ What are the key issues and challenges? What are the market opportunities?

SHOWCASE OF NOTEWORTHY PROJECTS AND BEST PRACTICES

- ❖ Which are some of the noteworthy NRW reduction projects/strategies and best practices?
- ❖ What are their key characteristics (technology deployed, IT solutions, cost, revenue, etc.)?
- ❖ What have been the biggest challenges? What lessons can be learnt from the experience of these projects/best practices?

Organisers

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

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Registration Form

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	INR	GST@18%	Total INR	Total USD	INR	GST@18%	Total INR	Total USD
One delegate	16,000	2,880	18,880	315	20,000	3,600	23,600	393
Two delegates	25,600	4,608	30,208	503	32,000	5,760	37,760	629
Three delegates	35,200	6,336	41,536	692	44,000	7,920	51,920	865

- Delegate fee is inclusive of 18 per cent GST.
- There is a special low fee of Rs 6,000 per participant for urban local bodies, state owned regulatory authorities, academic and research institutions, and government agencies (not public sector corporates).

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- Full payment must be received prior to the conference.
- Payments for "early bird" registrations should come in before the last date of discount.
- Conference fees cannot be substituted for any other product or service being extended by India Infrastructure Publishing Pvt. Ltd.
- Conference fee includes lunch, tea/coffee and conference material.

For delegate registrations and sponsorship opportunities, contact:

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