

AICE 24

3RD ANNUAL INTERNATIONAL CONFERENCE & EXHIBITION 2024

TRANSFORMING INDIA'S WATER FUTURE

PROCEEDINGS

SEPTEMBER
18, 19 & 20, 2024

CARAVELA BEACH RESORT

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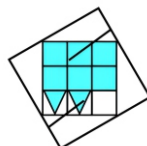
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CHIEF GUEST



Smt. D Thara, IAS
Additional Secretary
Ministry of Housing and Urban Affairs

INVITED GUEST



Mr. Patrick Joseph Kerr
Past President
AWWA

INVITED GUEST



Mr. Uttam P Parsekar
Principal Chief Engineer
Public Works Department, Goa

Inaugural Session - 19th September 2024

- 09:30 – 09:40 - Introduction of the Dignitaries
- 09:40 – 09:50 - Inaugural Session – Lamp Lighting
- 09:50 – 10:00 - Welcome Address by Mr. Hemen V Patel, Chairman, AWWAIndia
- 10:00 – 10:15 - Key Note address by the Chief Guest Smt. D. Thara, IAS, Addl. Secretary, MoHUA
- 10:15 – 10:30 - Key Note address by – Mr. Patrick J Kerr, Past President, AWWA USA
- 10:30 – 10:40 - Address by – Shri Uttam Parsekar, Pri. Chief Engineer, PWD, Goa
- 10:40 – 10:50 - Address by – Dr Sanil Kumar, Chief Scientist, CSIR-NIO, Goa
- 10:50 – 11:05 - Inauguration of the Exhibition

MESSAGE FROM THE CHAIRMAN



HEMEN V PATEL
Chairman, AWWAIndia

I am excited to welcome you to 3rd AICE conference & exhibition in Goa, hosted by the AWWAIndia Association. This conference will unite water professionals and stakeholders to address critical challenges in our sector and promote access to safe and clean water for all. We are honored to have Hon. Smt. D. Thara, IAS, Additional Secretary, MoHUA, GOI as our Chief Guest, along with esteemed invited guests Mr. Patrick Kerr, Past President, AWWA, Mr. Uttam Parsekar, Principal Chief Engineer, PWD, Goa and Dr. Sanil Kumar, Chief Scientist, CSIR-NIO, Goa. Join us for this important event as we work together to transform India's water future.

ORGANIZING COMMITTEE MEMBERS



NILAKSH KOTHARI
AWWA, USA



SHIRISH KARDILE
AWWAIndia



PARTH SHAH
AWWAIndia



SUSHIL SETHI JAIN
AWWAIndia



PRASANA SHAH
AWWAIndia



AKHIL SONTALIA
AWWAIndia

WORKSHOP

Workshop on Manual on Water Supply & Treatment Systems (Drink from Tap) - CPHEEO

The Workshop is organised by AWWA India Association in collaboration with the Administrative Staff College of India (ASCI) with the support of the Ministry of Housing and Urban Affairs (MoHUA), Govt. of India. The Workshop shall aim equip stakeholders from state governments, ULBs, private sector, and industry to formulate a comprehensive framework and action plan by learning from on-ground success stories to achieve the ambitious goal of providing 24x7 continuous pressurised high quality water supply for enhanced public health and quality of life.

PROGRAM AGENDA

12:00 – 18:00	Registration
15:00 – 17: 00	Workshop on Manual on Water Supply & Treatment Systems (Drink from Tap) – By Dr. Snehalatha Mekala & Dr. Ankur Parashar. Along with Case Studies
17:00- 17:30	Question & Answer
17:30 – 17:45	Tea Break
17:45 – 18:45	Panel Discussion on the Role of Private Sector and Innovations in achieving Drink from Tap
18:45 – 19:00	Closing Remarks
19:00 – 21: 00	Dinner

CONFERENCE SCHEDULE – DAY 1

Inaugural Session

0730 – 0930	Registration and Tea
09:30 – 09:40	Introduction of the Dignitaries
09:40 – 09:45	Lighting of the lamp
09:45 – 10:00	Welcome Address by AWWAIndia
10:00– 10:15	Keynote by Chief Guest –Smt. D Thara, IAS, Addl. Secretary, MoHUA
10:15 – 10:30	Keynote by–Mr. Patrick J Kerr, Past President, AWWA USA Keynote
10:30 – 10:40	Address by – Shri Uttam Parsekar, Principal Chief Engineer, PWD, Goa
10:40 – 10:50	Address by – Dr Sanil Kumar, Chief Scientist, CSIR-NIO, Goa
10:50 – 11:05	Inauguration of the Exhibition
11:05 – 11:20	Tea Break
	Technical Session – 1: Sustainable Water Management & Water Reuse – Best practices & Case Studies Moderator: Dr. V K Chaurasia
11:20 – 11:25	Introduction by the Moderator
11:25 – 11:40	CPHEEO Team
11:40 – 11:55	Ms. Panchami Choudhury - GMDW&SB Jal Sakhi initiative under Guwahati Metropolitan Drinking Water & Water Sewerage Board
11:55 – 12:10	Mr. Faraz Ahmad - Centre for Science and Environment Study on prospects of reuse of treated water in India – Best Practices & Challenges
12:10 – 12:25	Mr. K Ashok Natarajan - Task Force Committee Member, MoHUA Planning the Transformation of ULBs towards NRW reduction Case Study Chennai metro water & sewerage board
12:25 – 12:40	Questions & Answers
	Technical Session – 2: Climate Change and its Impacts on Water Resources Moderator: Mr. Patrick Joseph Kerr
12:40 – 12:45	Introduction by the Moderator
12:45 – 13:00	Mr. Avik Bose - National Institute of Oceanography (NIO) Climate change & its impact on future water policy of India
13:00 – 13:15	Ms. Umra Anees - Centre for Science and Environment, Delhi Securing Water for Unplanned Settlements in a Climate Risk Era: A case of Sangam Vihar, Delhi

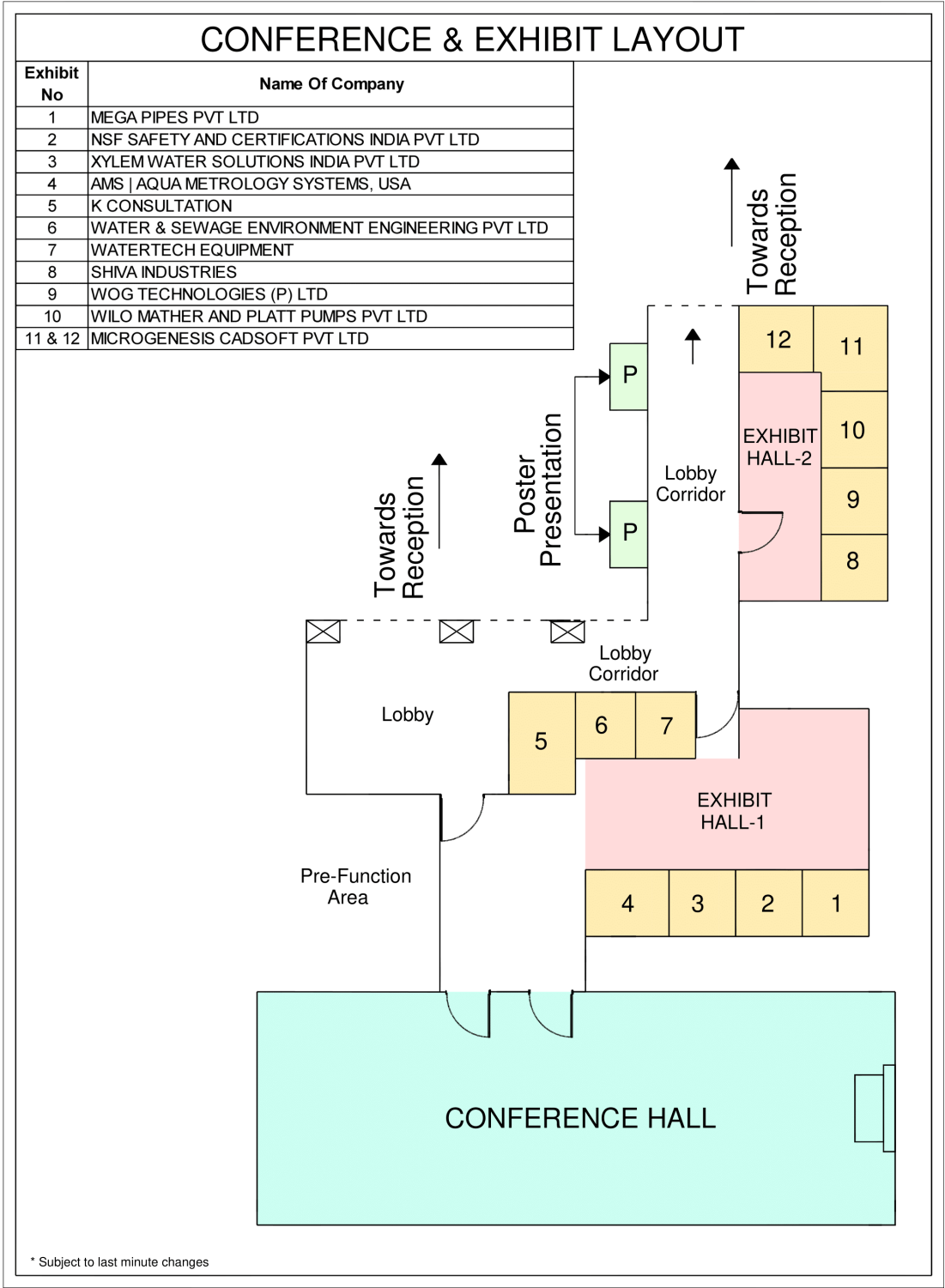
CONFERENCE SCHEDULE – DAY 1

13:15 – 13:30	Mr. Rick Bacon – AMS Technology Breakthrough Enables the On-Site Generation of Ferrate Reagents
13:30 – 13:45	Questions & Answers
13:45 – 14:45	Lunch Break
	Technical Session – 3: Women In Water Moderator: Ms. Mridula Deshpande
14:45 – 14:50	Introduction by the Moderator
14:50 – 15:05	Ms. Priyanka - Mott MacDonald What are PFAs? Why should we care?
15:05 – 15:20	Ms. Noa Amsalem - Water Attache, Israel Embassy Israel Water Management & Innovation
15:20 – 15:35	Ms. Rutuja Pawar - Mott MacDonald Navigating Global Water crisis: Insights from case studies
15:35 – 15:50	Ar. Aditi V. Sontakke - Thakur School of Architecture and Planning, Mumbai Sustainable Lake Conservation: Need, Objectives and Approach
15:50 – 16:00	Questions & Answers
16:00 – 16:05	Photo Session
16:05 – 16:20	Tea Break
16:05 – 17:05	Poster Presentation by Students- Parallel Program
	Technical Session – 4: Water Solutions for Smart Cities & challenges faced in implementing sustainable practices Moderator: Ms. Jennifer Merck
16:20 – 16:25	Introduction by the Moderator
16:25 – 16:40	Mr. Sanjay L. Lalan - TATA Consulting Engineers Ltd. Mumbai Sustainable and Climate resilient 24x7 water supply system in Leh city
16:40 – 16:55	Mr. Harish Kumar Mittapalli - Arcadis Consulting India Pvt Ltd Sustainable Approach to Reduce Treatment Plant Capital and Operational Costs to Encourage Water Reuse
16:55 – 17:10	Mr. Dipak Dahake - Aquaindica Techno Solutions Pvt. Ltd. Challenges and Solutions in achieving 24/7 water supply for Smart Cities
17:10 – 17:15	Questions & Answers
	Technical Session – 5: Emerging Technologies and Innovations in Water Treatment & Importance Of Operator Certification Moderator: Mr. Uday Kelkar

CONFERENCE SCHEDULE – DAY 1

17:15 – 17:20	Introduction by the Moderator
17:20 – 17:35	Mr. Kailash Karthik N - Secretary to the Govt. of Assam, Public Health Engineering Department cum Managing Director, Assam Urban Infrastructure Development & Finance Corporation Ltd. Cum Mission Director, Jal Jeevan Mission, Assam
17:35 – 17:50	Mr. Ajit Savadi - NJSEI Circular Economy: Used Water Reuse
17:50 – 18:05	Mr. B B Singh - NSF Drinking Water Treatment Standards from Source to Tap
18:05 – 18:10	Questions & Answers
18:30 – 19:30	Pre-Dinner Reception
19:30 – 21:30	Dinner

EXHIBIT LAYOUT



CONFERENCE SCHEDULE – DAY 2

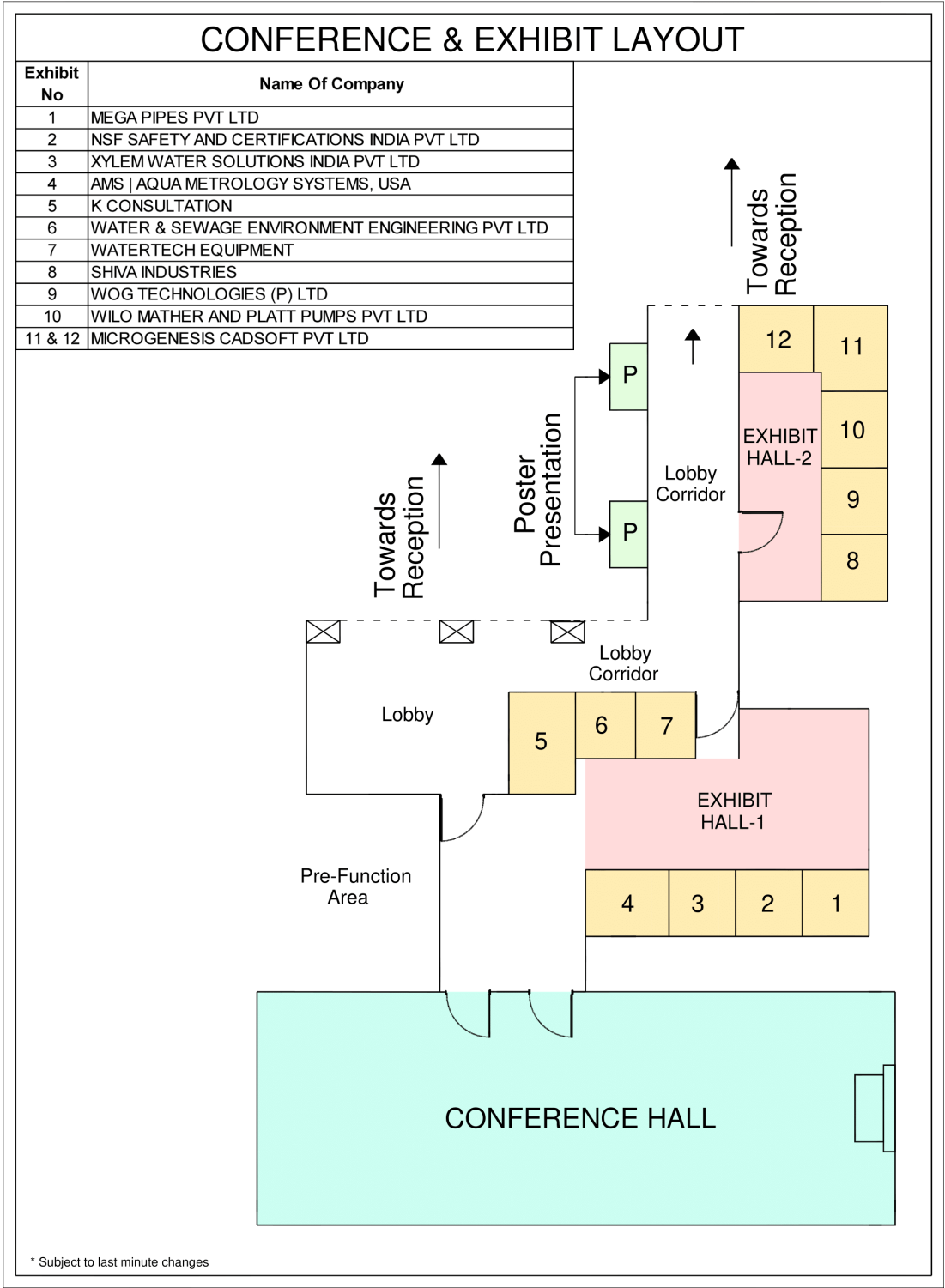
Opening Session

09:30 – 09:35	Introduction of the Dignitaries
09:35 – 09:50	Address by Mr. Mapne, Chief Engineer, PHED, Goa
09:50 – 10:05	Address by Ms. Jennifer Merck, AMPP, USA
10:05 – 10:15	Presentation from the State Invited Guest
10:15 – 10:20	Photoshoot
	Technical Session – 6: Water Quality Monitoring and Treatment: Recent Developments and Challenges Moderator: Dr. Sanil Kumar V
10:20 – 10:25	Introduction by the Moderator
10:25 – 10:40	Dr. Indra N. Mitra - Cambi Advanced Anaerobic Digestion (AAD) of Sludge: Thermal Hydrolysis Process (THP)
10:40 – 10:55	Dr. Neeraj Sharma - Envision Enviro Tech Pvt. Ltd. Optimizing Wastewater Treatment: Retrofitting with Membrane Bioreactors
10:55 – 11:10	Mr. Rick Bacon - AMS Real-time Online Water Quality Monitoring
11:10 – 11:25	Mr. Anil Rai - AECOM Global Insights and India's Challenges: Per- and Polyfluoroalkyl Substances (PFAS) in water
11:25 – 11:30	Questions & Answers
11:30 – 12:30	Poster Presentation by Students -Parallel Program Technical Session – 7: Coastal and Rural Water Supply Challenges Moderator: Mr. Ram Lollapod
11:30 – 11:35	Introduction by the Moderator
11:35 – 11:50	Mr. Prasad Patil- NJSEI, Mumbai Sustainable Rural Water Supply in the Konkan Area of Maharashtra
11:50 – 12:05	Mr. Abhishek Jadhav - Ws2epI Packaged Treatment Plants, A Boon to Individual WS Schemes – A Case Study of Rajapur Village in Maharashtra
12:05 – 12:20	Dr. Sanil Kumar - NIO, Goa Design Consideration for Sea water Intake & Marine Outfall
12:20 – 12:25	Question & Answers

CONFERENCE SCHEDULE – DAY 2

Technical Session – 8: Desalination & Coastal Areas – Advancements & Innovations
Moderator: Mr. Abhishek Jadhav**12:25 – 12:30** Introduction by the Moderator**12:30 – 12:45** Dr. Shanmukha Rao Ganta - IIT Bombay**The Evolution of Desalination Techniques: A Global and National Perspective****12:45 – 13:00** Mr. Amir Basha Syed - Wabag**Advancement and Innovation in SWRO Desalination Technologies****13:00 – 13:15** Mr. Ahswani Vishwanath - NIOT**Analysis of Deep Sea HDPE Pipeline for High Capacity Offshore Desalination Plant****13:15 – 13:30** Mr. Narendra Singh Bisht - Aquatech Pune**Achieving Consistent Low Energy Consumption in SWRO Based Desalination Plants****13:30 – 13:35** Question & Answers**13:35 – 14:35** Lunch Break**Technical Session – 9: Intelligent Water Systems – Utilizing IoT and AI**
Moderator: Mr. Ashok Natrajan**14:35 – 14:40** Introduction by the Moderator**14:40 – 14:55** Mr. Chema Nebot – Xylem**Intelligent Water Systems - Utilizing IoT and AI****14:55 – 15:10** Mr. Biren Pattanik - NIOT , Chennai**IOT Based Smart automation of Open cycle OTEC desalination****15:10 – 15:25** Ms. Sutanu Maiti - IIT, Kharagpur**Kinetics of Reduction of Hexavalent Chromium with CMC-nFeS in Aqueous Medium****15:25 – 15:30** Question & Answers**15:30 – 15:40** Felicitation of the Sponsors**15:40 – 15:55** Closing Ceremony

EXHIBIT LAYOUT



SCHEDULE AT A GLANCE

Wednesday, 18th September, 2024

1200 – 1800	Conference Registration - Caravela Beach Resort, Goa
1500 – 1900	Workshop on Drink from Tap - Manual on Water Supply & Treatment (CPHEEO)
1900 – 2100	Dinner

Thursday, 19th September, 2024

0730 – 0930	Registration & Tea
0930 – 1050	Inaugural Session - Lamp Lighting / Welcome Note
1050 – 1105	Exhibit Hall Inauguration
1105 – 1120	Tea Break
1120 – 1810	Technical Session
1830 – 1930	Pre-Dinner Reception
1930 – 2130	Cocktail & Dinner

Friday, 20th September, 2024

0930 – 1020	Second Day Opening Session
1020 – 1540	Technical Session
1540 – 1555	Closing Session

CITY TOUR:

AIA is pleased to announce a special tour of Panjim for the spouses of conference delegates. Scheduled for Thursday, 19th September 2024, the tour will begin at 10:00 am and conclude at 6:00 pm, featuring prominent social, cultural sites, and local shopping opportunities in Panjim. For additional details, please visit the registration desk upon arrival. Additionally, delegates can enjoy the amenities offered by the Caravela Beach Resort, located on the picturesque Varca Beach, throughout their stay.



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