



Indian Water Works Association



57th IWWA ANNUAL CONVENTION

10th to 12th January, 2025, Raipur, Chhattisgarh

2nd Bulletin
July 2024

Theme:
" Water360: Innovative Technologies in Water, Wastewater Treatment & Sustainable Management"



Venue :
Jainam Manas Bhawan
Infront of Airport,
Raipur - 492015
Chhattisgarh



Vision

To make Indian Water Works Association, a leading organization by having spectrum of technical activities for water qualities, protection, presentation, treatment, distribution, technology & services.

Mission

To develop a vibrant and dynamic association to cover all water related issues and reach out to all concerned persons.

Appeal

Dear friends,

Water360 is to educate, inspire, and drive action towards a more sustainable water future. By showcasing innovative technologies and best practices, we aim to empower individuals, communities, and industries to adopt solutions that ensure the availability of clean water for generations to come.

Water360, where we dive deep into the transformative world of water and wastewater treatment through cutting-edge technology and sustainable management practices. Our focus is on innovative solutions that address the critical challenges of water scarcity, pollution, and sustainable usage, ensuring a healthier and more resilient future for our planet.

We need to discover the latest advancements in water purification, desalination, and wastewater treatment technologies. From nanotechnology to advanced filtration systems, we need to explore how these innovations are revolutionizing water management.

It is important to learn about the processes and techniques used to ensure safe and clean water for all. We cover everything from traditional methods to modern approaches that enhance efficiency and effectiveness.

It is the need of hour to delve into the methods of treating and recycling wastewater. We highlight the importance of treating wastewater as a valuable resource rather than waste, showcasing technologies that convert wastewater into potable water, energy, and other useful products.

The ongoing water and sanitation crisis is a threat to everyone as poor water management increases or multiplies the risks in all aspects of life. The COVID-19 pandemic has exposed our shared vulnerabilities and reminded us of our common destiny. Populations are growing, agriculture and industry are getting more water-intensive and climate change is worsening. Without functioning, resilient water cycle for all people everywhere, human health and environmental integrity will always be threatened and a sustainable, equitable future will remain out of reach. Understand the principles and practices of sustainable water management. This includes strategies for conservation, smart water usage, and policies that promote sustainable practices on a global scale under sustainable management.

Our journey towards a water-secure world, where innovation meets sustainability in the most vital resource on Earth: water, the theme “Water 360: Innovative Technologies in Water, Wastewater Treatment & Sustainable Management.” is very relevant.

About Indian works Association (IWWA)

To address the above issues, the IWWA is a voluntary organisation of professionals concerned with the water supply for domestic, industrial and agricultural uses, its treatment and disposal of waste water. IWWA focuses basically on the entire "Water cycle" encompassing the environmental, social, institutional and financing issues. Founded in 1968 with head-quarters at Mumbai, having 36 Centres spread across the country with a membership about 13000 professionals all over the country and abroad. At the international levels it has relations with other similar associations such as: International Water Association (IWA), American Water Works Association (AWWA) and Japan Water Works Association (JWWA).

Venue

IWWA Raipur Centre, Chhattisgarh is organizing the 57th IWWA Annual Convention during 10th, 11th and 12th of January 2025, in Jainam Manas Bhawan Raipur Chhattisgarh.

Chhattisgarh, known as rice bowl and with a legacy of cultural heritage richness for its architectural, literary and culinary value, is one of the fastest-developing states in India. It has the third largest coal reserves in the country and provides electricity, coal, and steel to the rest of the nation. It also has the third largest forest cover in the country over 40% of the state covered by forests. It is claimed that Chhattisgarh takes its name from the 36 ancient forts (from chhattisgarh meaning thirty-six and garh meaning fort) in the area.

Raipur is the capital city of the Indian state of Chhattisgarh. It has exponential industrial growth and has become a major business hub in Central India. It is among the biggest producers of steel and iron in the country. There are about 200 steel rolling mills, 195 sponge iron plants, at least 6 steel plants, 60 plywood factories, 35 ferro-alloy plants and 500 agro-industries in the city. In addition, Raipur also has over 800 Rice milling plants.

Technical Session

Technical sessions will include lectures and paper presentation by water and waste water experts. As IWWA's convention aims at bring solution to field issues, preference are given to papers based on field experience, case studies etc, We the organising center is making all effort in a meaningful manner to make the convention grand success and memorable one. this scale cannot happen without the technical and financial support from various water and waste water sector industries.



Theme

"Water 360: Innovative Technologies in Water, Wastewater, Treatment and Sustainable Management"

Sub-Theme

1. Advanced Water Treatment Technologies

- Advanced filtration and purification technologies
- Emerging chemical and biological treatment methods
- Desalination techniques and improvements
- Membrane filtration advancements
- Nanotechnology in water purification
- Electrochemical water purification
- Ultraviolet (UV) disinfection
- Nanotechnology in water treatment

2. Water Quality Mitigation-Desalination Processes

- Reverse Osmosis (RO) desalination techniques
- Thermal desalination techniques
- Hybrid desalination systems
- Energy efficiency in desalination techniques

3. Advanced Wastewater Treatment Technologies

- Biological Treatment Methods
- Chemical and Physical Treatment Processes
- Industrial Wastewater Treatment Solutions
- Innovations in Sewage Treatment

4. Innovative Technologies in 24x7 Water Supply and Management

- Smart water meters
- Advanced leak detection systems
- Remote monitoring and control systems
- Predictive analysis and AI
- Distributed water treatment system
- Water quality sensors and IoT Network
- Blockchain technology for water management
- Energy recovery System

5. Wastewater Management, Recycling and Reuse

- Wastewater treatment and management
- Decentralized wastewater systems
- Bioremediation and natural treatment processes
- Cutting-edge biological and chemical treatment processes
- Innovations in industrial and municipal wastewater management
- Strategies for wastewater recycling and reuse

6. Integrated Water Resource Management (IWRM)

- Watershed management and conservation practices
- Water-Energy nexus
- Urban water management
- Agricultural water management
- Rural water management
- Sustainable groundwater management

7. Sustainable Water Management Practices

- Water conservation techniques
- Rainwater harvesting techniques
- Greywater recycling techniques
- Water footprint assessment
- Groundwater recharge techniques
- Climate change impacts on water resources

8. Emerging Contaminants and Removal Technologies

- Emerging contaminants: Detection and removal
- Strategies for reducing industrial water pollution
- Policies and regulations for water pollution control
- Real-time monitoring and sensor technologies
- Addressing emerging contaminants and microplastics in water bodies
- Mitigating pollution from agricultural and industrial sources
- Pharmaceutical and personal care products (PPCPs) in water
- Heavy metals and toxic chemicals removal
- Advanced oxidation processes (AOPs)
- Endocrine-disrupting chemicals (EDCs)

9. Smart Water Systems and Digital Technologies

- Internet of Things (IoT) and smart sensors in water management
- Big data analytics and AI for water management
- AI in water treatment
- Real-time monitoring and control systems
- Smart metering and water usage monitoring
- Smart leak detection systems
- AI for optimization of design of water infrastructure

10. Climate Change and Water Management

- Impact of climate change on water availability
- Extreme weather events and water management strategies
- Adaptive water management strategies
- Building resilient infrastructure for water supply systems
- Drought and flood management
- Water and Air pollutions

11. Policy, Governance and Regulation in Management

- Water Policies and regulations for water quality and pollution control
- Public-Private Partnerships in water and wastewater management
- Community participation and stakeholder engagement
- International water/ wastewater management agreements
- Policy frameworks for sustainable management
- Financing mechanisms to encourage innovative technologies

12. Economics, Financing and Social Aspects in Management

- Economic analysis of water projects
- Social equity and water access
- Financing mechanisms for water infrastructure development
- Public awareness and education campaigns
- Cost recovery mechanisms
- Water pricing
- Economic valuation of water resources

13. Energy Efficiency in Treatment Technologies

- Energy-efficient water treatment processes
- Renewable energy integration in water treatment plants and water systems
- Energy recovery from wastewater treatment process
- Managing the water footprint of energy production
- Low-energy desalination process

14. Water Recharging, Conservation and Resource Management

- Ground water recharging practices
- Rainwater harvesting practices
- Water shed management water scared areas
- Use of Ground Water prospects maps
- Use of Satellite imaginaries for ground water developments
- Assessment of availability of Ground water development
- Study of critical depletion of ground water in metropolitan Cities.

15. Community and Ecosystem-Based Water Management

- Engaging communities in water conservation efforts
- Protecting and restoring aquatic ecosystems
- One drop more crop, agricultural practices to reduce water footprint
- Water stewardship and community engagement
- Sustainable agriculture and water conservation
- Protecting aquatic ecosystems and biodiversity

16. Challenges in Adopting Innovative Technologies the Field

- Low financing for innovations
- Award of standardization to innovative technologies
- Improvement in traditional tendering process
- Single tendering process for entire project work
- Minimising running and maintenance cost of project
- Delay in adoption of innovative technologies in relevant codes and rules

17. Global Best Practices and Case Studies

- Successful case studies on environmental management.
- Successful water and wastewater management projects
- Lessons learned from international water management projects
- Lessons learned from local initiatives
- Implementing global best practices in regional contexts
- Adapting global best practices to local contexts

Important Notes and Dates for Authors

The Organizing Committee invites the Professionals and Academician to present their works as Technical papers and posters on all above mentioned themes and sub-theme.

Convention will provide the platform to share the knowledge and experience to have better water management in future. Engineers, Scientists, Academicians, Manufacturers, Consultants, Users, NGOs and Government Officials are invited to actively participate in the Technical Sessions.

There will be parallel sessions on different sub themes. Each session will begin with the Theme address by the eminent person working in the field. Besides there will be international workshops in parallel to the presentation, which are normally jointly organized with IWA/AWWA/JWWA.

Accepted paper/poster will be printed in the Souvenir. There is also awards for the best papers in various themes selected by the eminent Juries. Selected papers will be published in either Springer or Scopus index. Author has to register as a delegate at his own cost. The Paper/Poster will be included in the Souvenir and for presentation in final program only after the Registration with Delegates fee. Please note that the presenter will have to make his/her own arrangement to attend the convention.

Submission of paper with abstract	15 th October, 2024
Confirmation of acceptance of paper	On or before 31 st October, 2024
Submission of final paper after reviewers comments	15 th November, 2024
Final selection and intimation to author	1 st December, 2024

Birth Place of Shri Vallabhacharya Mahaprabhu Jee



- It is further informed that submission of papers is also being facilitated through convention website. Please submit technical papers for the convention through:-
Email: 57iwwatechnicalpaper@gmail.com; **Link:** <http://57iwwaconventionraipur.com>
- **Contact for any queries regarding technical paper and session.**
 1. Dr. M.L. Agrawal (+91 9301192786)
 2. Dr. Mustkeem Beg (+91 9406300457)

10 January 2025

Time	Events
8.00 am to 10.00 am	Registration
10.00 am to 11.30 am	Inaugural Session
11:30 am to 12.00 noon	Inauguration of Exhibition, Tree Plantation and High Tea
12.00 noon to 1.30 pm	Modak Memorial and Raman Endowment Lecture
1.30 pm to 2.30 pm	Lunch
2.30 pm to 3.30 pm	Technical Session-1
3.30 pm to 3.45 pm	Tea Break
3.45 pm to 5.15 pm	Technical Session-2
7.00 pm onwards	Cultural Program and Dinner Events

11 January 2025

Time	Events
9.30 am to 11.00 am	International Session
11.00 am to 11.15 am	Tea Break
11.15 am to 1.30 pm	24x7 Water Supply Urban and Rural
1.30 pm to 2.30 pm	Lunch
2.30 pm to 3.30 pm	Technical Session-3 & 4
3.30 pm to 3.45 pm	Tea Break
3.45 pm to 5.15 pm	Technical Session-5 & 6
5.15 pm to 6.30 pm	Youth Forum Session
7.30 pm to 10.00 pm	Convention Banquet Dinner

12 January 2025

Time	Events
9.30 am to 11.30 am	Technical Session-7&8
11.30 am to 11.45 am	Tea Break
11.45 am to 1.30 pm	Technical Session-9&10
1.30 pm to 2.30 pm	Lunch
2.30 pm to 3.30 pm	Technical Session-11&12
3.30 pm to 3.45 pm	Tea Break
3.45 pm to 4.30 pm	Valedictory Function
4.30 pm onwards	High Tea

Commercial Sessions

Chhattisgarh is known as bowl of paddy in the country and capital city Raipur being an educational hub it cater the Global needs future Engineers, Entrepreneurs and Managers for the Country. The Convention is providing the Global opportunity to reach out the present and prospective Users and Buyers both in Private and Government sector.

The Convention provides an opportunity for Manufacturers, Technocrats, Consultants and Designers to participate in commercial sessions, exhibition and the advertisement in the souvenir. Sponsors for the Kit and parts of Kit/Lunch/Dinner are most welcome. All sponsors will be provided with free participation in the convention as per the details provided to them Exhibition will be open for the students and all stake holders working in water sector.

In this context, we request your support by being Rhodium, Iridium, Platinum Diamond, Gold, Silver, Supporter and Co- supporter for the event by generously contributing towards the convention. You may also participate in the commercial sessions, advertising through souvenir website, digital posters, branding at the venue and putting of stalls etc. We look forward to your gracious presence in the grand event.

Registration

The registration charges include tea, lunch, dinner and kit. Registration and Payment will be online/offline. It is request to complete the registration as early as possible . This will also assist the organizer to plan the event in as effective manner.

For registration please go through [Link: http://57iwwaconventionraipur.com](http://57iwwaconventionraipur.com)

Registration Fee in INR

Category	
IWWA Member	2500.00+18%GST=Rs.2950/-
Non IWWA Member	3000.00+18%GST=Rs.3540/-
Student Member	Free
Spouse	Free
Foreign Delegate	USD 300.00+18%GST=USD 354/-

Bank Account Details

Account Name	INDIAN WATER WORKS ASSOCIATION
Bank	CENTRAL BANK OF INDIA
Branch	Civil Line Raipur
Saving Account No.	5587731071
IFSC CODE	CBIN0282321
GST as applicable will be extra (IWWA GST Registration Number is 22AAAAI0061J1Z8)	
All Communication send to email id: iwwa57raipurcentre@gmail.com	

Organising Committee

Name	Designation	Contact No.
Dr. M.L. Agrawal Organizing Chairman	Vice President, IWWA HQ, Chairman IWWA, Raipur Centre	9301192786
Er. A.K. Sahu Organizing Secretary	General Secretary, IWWA, Raipur Centre	9425229851
Er. Rajesh Gupta (CE Raipur)	Executive Member Raipur, IWWA, Raipur Centre	9009522201
Er. H.R. Marskole (CE Jagdalpur)	Executive Member Raipur, IWWA, Raipur Centre	9425591199
Er. Sanjay Singh (CE Bilaspur)	Executive Member Raipur, IWWA, Raipur Centre	9424248000
Er. Sameer Gaur (SE Raipur)	Executive Member Raipur, IWWA, Raipur Centre	9425536482
Er. Sanjiv Brijpuriha (SE Durg)	Executive Member Raipur, IWWA, Raipur Centre	8305349999
Er. S.K. Chandra (SE Jagdalpur)	Executive Member Raipur, IWWA, Raipur Centre	9755511112
Er. P.K. Katlam (SE Sarguja)	Executive Member Raipur, IWWA, Raipur Centre	9406118855
Er. G.L. Lakhera (SE Kondagoan)	Executive Member Raipur, IWWA, Raipur Centre	9425280599
Er. Kailash Madariya (EE)	Executive Member Raipur, IWWA, Raipur Centre	9589510985
Er. Samir Sharma (EE)	Executive Member Raipur, IWWA, Raipur Centre	8458888717
Er. Ashalata Gupta (EE)	Com Member, IWWA, Raipur Centre	9424119710
Er. Philip Ekka (EE)	Executive Member Raipur, IWWA, Raipur Centre	9893542327
Er. Sanjay Rathore (EE)	Executive Member Raipur, IWWA, Raipur Centre	9827405565

National Advisory Committee

Name	- Designation
Er. M. Madhiyalagan	-President, IWWA HQ, Mumbai
Dr. M.L. Agrawal	-Vice President, IWWA HQ, Chairman IWWA, Raipur Centre
Er. Subhash B. Bhujbal	- Immediate Past President, IWWA HQ, Mumbai
Er. Pramod Kumar Sinha	- Past President, IWWA
Er. B. Srinivasa Reddy	- Past President, Former MD, KWSSB, Karnataka
Dr. M. Satyanarayana	- Past President Former Engineer in Chief, Hyderabad
Er. S.S. Patwadhan	- Past President & Former M.S.MJP
Er. B.J. Vasavada	- Past President & Former M.S. GWSSB, Gujrat
Er. O.P. Goel	- Past President & Former C.E. PHED, Jaipur
Dr. S.V. Chandrashekar	- Past President & Former Engr. in Chief PHED, Hyderabad
Er. K.M.L Mathur	- Past president & former C.E. PHED Jodhpur
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Er. Bappa Sarkar	- Past President, Former Engineer in Chief, Kolkata
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Dr. D.P. Singh	-Past President & Former Engineer in PHED, Bihar
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Er. Basant Kumar Parida	-Hon. General Secretary, IWWA, Headquarter, Mumbai
Er. K. Elangovan	-Hon. Joint Secretary, IWWA HQ, Mumbai,
Er. Raveena R. Naik	-Hon. Joint Secretary, IWWA, Headquarter, Mumbai
Dr. Virendra P. Dehadrai	- Hon. Secretary (Finance), IWWA, Headquarter, Mumbai
Er. Komal Prasad	-Hon. Director (Administration), IWWA, Headquarter, Mumbai
Er. Anil Kumar Gupta Prof.	-Hon. Director (Technical), IWWA, Headquarter, Mumbai
Dr. Parag Sadgir	-Hon. Director (International), IWWA, Headquarter, Mumbai
Er. D. B. Panse	-Hon. Director (Utility), IWWA, Headquarter, Mumbai
Prof. Arvind M. Mokadam	-Hon. Director (Youth Forum for Water), IWWA, Mumbai
Dr. P.N. Ravindra	- Hon. Editor (Journal), IWWA, Headquarter, Mumbai

Supporting Committee

Shri Prakash V Padhye	- HQ, IWWA Mumbai
Shri Sambhaji D Palekar	HQ, IWWA Mumbai
Smt. Anuja Satam	HQ, IWWA Mumbai
Smt. Anita Mestry	HQ, IWWA Mumbai

Venue- Jainam Manas Bhawan, Near Airport, Raipur



Registration Fees

Sr. No.	Description	Rate	Remarks					
1	2	3	4	5	3.1	First Stall	₹ 60,000 +18%GST	1) Sponsors are allowed to select stall on priority of sequence i.e,1.1,1.2,1.3 etc
					3.2	Next Stall, Onwards	₹ 50,000 +18%GST	2) 2 Delegates passes with 2kit/stall
1	Sponsors			4	Advertisement in the Sovenier			
1.1	Rhodium Sponsor	₹ 25,00,000 +18%GST	Stall-4,Delegates-12, Kits-12,Comm PPT-15 Min, Cover Col- Advt-1Page	4.1	Back Cover- Outside	₹ 1,50,000 +18%GST	Colour Page	
1.2	Iridium Sponsor	₹ 20,00,000 +18%GST	Stall-3,Delegates-10, Kits-12,Comm PPT-15 Min, Cover Col- Advt-1Page	4.2	Front/Back Cover -inside	₹ 1,00,000 +18%GST	Colour Page	
1.3	Platinum Sponsor	₹ 15,00,000 +18%GST	Stall-2,Delegates-8, Kits-12,Comm PPT-15 Min, Cover Col- Advt-1Page	4.3	Inside Full Page	₹ 70,000 +18%GST	Colour Page	
1.4	Diamond Sponsor	₹ 12,50,000 +18%GST	Stall-I,Delegates-6, Kits-12,Comm PPT-15 Min, Cover Col- Advt-1Page	4.4	Inside Half Page	₹ 40,000 +18%GST	Colour Page	
1.5	Gold Sponsor	₹ 10,00,000 +18%GST	Stall-I,Delegates-5, Kits-12,Comm PPT-15 Min, Cover Col- Advt-1Page	4.5	Inside Quarter Page	₹ 25,000 +18%GST	Colour Page	
1.4	Silver Sponsor	₹ 7,50,000 +18%GST	Stall-I,Delegates-4, Kits-12,Comm PPT-15 Min, Cover Col- Advt-1Page	5	Delegation Registration Fees			
2	Commercial Sessions Presentation			5.1	Member of IWWA	₹ 2,500 +18%GST	Delegate pass with kit	
2.1	10 Min Presentation	₹ 30,000 +18%GST	With delegate kit	5.2	Non- Members	₹ 3,000 +18%GST	Delegate pass with kit	
2.2	15 Min Presentation	₹ 40,000 +18%GST	With delegate kit	5.3	Student Members	Free	Delegate pass	
2.3	20 Min Presentation	₹ 50,000 +18%GST	With delegate kit	5.4	Spouces	Free		
3	Exhibition Stall Boking(10Ft.x10Ft.)			5.5	Foreign Delegates	\$ 300 +18%GST		

For Registration Please Go Through Link:- <https://www.57iwwaconventionraipur.com>

Organized by -
INDIAN WATER WORKS ASSOCIATION
HEAD QUARTER
 MCGM Compound, Pipeline Road, Vakola, Santacruz East,
 Mumbai - 400055 (Maharashtra)
 Contact No. : +91 9425229851, +91 9869132112
 Email : iwwahq@gmail.com
 Visit us : www.iwwa.info

Hosted by -
INDIAN WATER WORKS ASSOCIATION
RAIPUR
 HIG 4, Near Post Office, Infront of AIIMS,
 Tatibandh, Raipur (Chhattisgarh)
 Contact No. : +91 9301192786, +91 9424119710
 Email : iwwa57raipurcentre@gmail.com
 Email For Technical Paper's : 57iwwatechnicalpaper@gmail.com