



INDIAN WATER WORKS ASSOCIATION



59th IWWA ANNUAL CONVENTION

22nd - 24th January 2027

Venue : GP Birla Auditorium, BIT Mesra, Ranchi

*Smart Water Solutions through Innovation and AI
for a sustainable future*



Hosted by
**Indian Water Works Association
Ranchi Centre**

In Association with
BIT Mesra Ranchi

ABOUT INDIAN WATER WORKS ASSOCIATION

Indian Water Works Association (IWWA) is a voluntary professional organization comprising experts associated with water supply for domestic, industrial, and agricultural uses, as well as wastewater treatment and disposal. The Association focuses on the entire water cycle, addressing environmental, social, institutional, and financial aspects of water management. Established in 1968 and headquartered in Mumbai, IWWA has grown into a national network with 37 centres across India and a membership of nearly 14,000 professionals in India and abroad. At the international level, it maintains collaborative relationships with prominent global bodies such as the International Water Association (IWA), the American Water Works Association (AWWA), and the Japan Water Works Association (JWWA). In addition to hosting various knowledge-sharing activities through its centres, IWWA organizes an Annual Convention every year.

ABOUT VENUE

The IWWA Ranchi Centre is hosting the 59th IWWA Annual Convention from 22nd to 24th January 2027, in association with BIT Mesra, Ranchi. Jharkhand, known as the Mineral Heart of India, is famous for its rich mineral reserves, lush forests, and vibrant tribal culture. Key attractions include Baba Baidyanath Dham (Deoghar), the Jain pilgrimage at Giridih, Deori Mandir (Tamar), and scenic destinations such as Netarhat, Patratu Dam, Getalsud Dam, Hatia Dam, Dassam Falls, Hirni Falls, and Hundru Falls.

The convention venue, BIT Mesra campus, is located about 10 km from Ranchi and spans 780 acres of greenery. Its renowned B. P. Birla Auditorium, with a seating capacity of 2,500, provides an excellent setting for this national event.

TECHNICAL SESSIONS

Technical Sessions will feature expert lectures and paper presentations by leading professionals in the water and wastewater sector. As the IWWA Convention is focused on delivering practical solutions to real-world challenges, preference is given to papers based on field experience, innovative practices, and case studies.

The Organising Centre is committed to conducting the Convention in a meaningful, impactful, and memorable manner. An event of this scale is only possible with the technical and financial support of industries and institutions associated with the water and wastewater sector. We sincerely look forward to your valuable contribution and collaboration in making this Convention a grand success.

THEME**“Smart Water Solutions through Innovation and AI for a Sustainable Future”**

- 1. Smart and Digital Water Management**
 - * Smart metering, leak detection and NRW reduction
 - * Digital twins, predictive modelling and automation
 - * IoT sensors, GIS mapping and remote sensing
 - * Real-time dashboards and decision-support systems
 - * Cybersecurity and blockchain applications
- 2. Sustainable Urban & Rural Water Supply Systems**
 - * Jal Jeevan Mission innovations and achievements
 - * Safe water supply in quality-affected regions
 - * Centralised vs. decentralised chlorination
 - * Community-managed systems (VWSC/GP)
 - * Hydraulic design for rugged and hilly terrain
- 3. Water Safety in Remote, Tribal & Challenging Regions**
 - * Treatment of arsenic, fluoride, uranium and iron
 - * Low-cost biosorbent-based solutions
 - * Water security in tribal and remote areas
 - * Pressure and distribution challenges
 - * Last-mile supply innovations
- 4. Wastewater Treatment, Recycling & Reuse**
 - * Decentralised and modular STPs
 - * Reuse for agriculture, landscaping and industry
 - * Low-energy treatment technologies
 - * Nutrient and resource recovery
- 5. Climate Change, Global Warming & Water Resilience**
 - * Impacts of temperature rise and rainfall variability
 - * Aquifer recharge, spring rejuvenation and water security
 - * Watershed and basin-level planning
- * Flood and drought mitigation
- * Nature-based climate solutions
- 6. Governance, Financing & Policy Frameworks**
 - * JJM governance and institutional strengthening
 - * PPP models and performance-based contracting
 - * Utility reforms and benchmarking
 - * National and state water policies
- 7. Municipal Solid & Liquid Waste Management**
 - * Integrated solid and liquid waste management systems
 - * AI and automation in waste segregation
 - * Waste-to-wealth pathways
 - * Scalable models for urban local bodies
- 8. Industrial Water & Wastewater Management**
 - * Water stewardship in mining, steel, power and industry
 - * ZLD, recycling and process optimisation
 - * Circular industrial water loops
 - * Compliance and benchmarking
- 9. Mine-Pit Water – Assessment & Utilisation**
 - * Water-quality assessment and treatment
 - * Domestic, agricultural and industrial use
 - * AI-based monitoring and surveillance
 - * Community supply models
 - * Case studies from mining regions
- 10. Traditional Knowledge & Community-Based Water Management**
 - * Indigenous water-conservation practices
 - * Social mobilisation and behaviour change
 - * PRI/VWSC roles and governance
 - * Integrating traditional knowledge with modern systems

- 11. Research, Capacity Building & Skill Development**
- * Academia and research collaboration
 - * Training modules for JJM and utilities
 - * Skill development for operators and VWSC members
 - * Industry–academia partnerships
- 12. Emerging Technologies & Future Innovations**
- * AI, ML, robotics and automation
 - * Next-generation sensors and cyber-physical systems
 - * Start-ups, incubation and entrepreneurship
 - * Future-ready water infrastructure
- 13. Emerging Pollutants – Monitoring & Treatment**
- * Microplastics, PFAS, pharmaceuticals and chemicals
 - * AI-enabled early-warning systems
 - * Advanced oxidation, membrane and hybrid systems
 - * Environmental risk assessment models
- 14. Circular Economy in Water & Wastewater Systems**
- * Water reuse in urban, industrial and agricultural sectors
 - * Nutrient recovery (NPK) and biosolid utilisation
 - * Energy-positive treatment plants
 - * Circular-economy business models
- 15. Water-Saving Fixtures & Demand Management**
- * Low-flow fixtures, aerators and dual-flush systems
 - * Water-efficient appliances
 - * IoT-based consumption monitoring
 - * Water-efficient building standards (LEED/GRIHA)
 - * Demand-management and water budgeting
- 16. Integrated Water Efficiency, Circularity & Pollution Control**
- * Combined efficiency, reuse and pollutant-removal strategies
 - * Integration of green buildings, IoT and circular systems
 - * Policy and financing frameworks
 - * Successful integrated models across regions
- 17. Energy Efficiency in Water & Wastewater Treatment**
- * Aeration and process optimisation
 - * Energy audits for WTPs and STPs
 - * Solar, biogas and renewable integration
 - * AI-enabled energy optimisation
 - * Global benchmarking of low-energy plants
- 18. Global Best Practices & International Case Studies**
- * Water management models from global leaders
 - * International reuse and desalination practices
 - * NRW reduction and utility excellence
 - * Transferable best practices for India
- 19. Advanced Water Treatment Technologies**
- * RO, UF, NF and advanced membrane systems
 - * Electrochemical, catalytic and hybrid technologies
 - * Desalination innovations
 - * AI-driven optimisation of treatment plants
- 20. Advanced Wastewater Treatment Technologies**
- * Tertiary and advanced treatment systems
 - * MBR, MBBR, SBR optimisation
 - * Ozonation, UV, AOP and activated carbon
 - * Removal of microplastics and micropollutants
 - * Industrial advanced-treatment solutions
- 21. Rainwater Harvesting & Aquifer Recharge**
- * Urban and rural rainwater-harvesting systems
 - * Recharge wells, shafts and percolation tanks
 - * Managed aquifer recharge
 - * Stormwater management
 - * Successful recharge case studies

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.

Paper/Poster for Souvenir

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	25-09-2026
Confirmation of acceptance of paper	10-10-2026
Submission of final paper after reviewers comments	25-10-2026
Final selection and intimation to author	10-11-2026

It is further informed that submission of papers can be made through E-mail: 59iwwatechnicalpaper@gmail.com

Contact for any queries regarding technical paper.

1. Er. Ram Prawesh Singh - 7321863292
2. Dr. N. N. Maurya – 9430692342

TENTATIVE SCHEDULE

22 JANUARY 2027	
Time	Events
8.00 am to 10.00 am	Registration
10.00 am to 12.00 noon	Inaugural Session
12.00 noon to 12.30 pm	Inauguration of Exhibition, and High Tea
12.30 pm 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	Commercial Session-1
3.30 pm to 3.45 pm	Tea Break
3.45 pm to 5.15 pm	Commercial Session-2
7.00 pm onwards	Cultural Program and Dinner Event
23 JANUARY 2027	
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	Technical Session-1 & 2
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
24 JANUARY 2027	
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 4.00 pm	Valedictory Function
4.00 pm to 4.30 pm	High Tea

COMMERCIAL SESSION

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 holders working in water sector.

In this context, we request your support by being Platinum Diamond, Gold and 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 will include Tea, Luch, High Tea, Dinner and kit. Registration and Payment will be online/offline. It is requested to complete the registration as early as possible. This will also assist the organizer to plan the event in effective manner.

For registration, please go through E-mail : 59iwwatechnicalpaper@gmail.com

Bank Account Details	
Account Name	INDIAN WATER WORKS ASSOCIATION
Bank	BANK OF INDIA
Branch	SHYAMALI BRANCH
Current Account No.	491020110000686
IFSC CODE	BKID0004910
GST Registration Number	AA200226011782T
Unique ID	20AAAA10061J1ZC

COMMITTEES FOR HOSTING THE 59TH ANNUAL CONVENTION OF IWWA

Patrons

- 1) Er Manisha Palande, President, IWWA
- 2) Er Umesh Mehta, Vice President, IWWA
- 3) Dr M L Agrawal, Immediate past president
- 4) Er B K Parida, General Secretary, IWWA
- 5) Dr Indranil Manna, Vice Chancellor, BIT Mesra
- 6) Er Niranjana Kumar, Engr- in- Chief, DWSD-GOJ
- 7) Er. Vinay Roy, Project Director Technical, Juidco

Organising Committee

- 1) Organising Chairman: Mr. Umesh Mehta - 9431391265
- 2) Organising Secretary cum Hony Secretary : Er. Pramod Kumar - 9334343439
- 3) Organising Secretary – Dr Kirti Abhishek - 8294934737
- 4) Organising Secretary – Dr. Satish Kumar - 9102858182
- 5) Event Treasurer - Er. Kishore Kumar Verma

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2. Dr. Swagata Pyra - 9610895725
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4. Dr. Anand Prasad Sinha - 9835127919

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2. Dr. Kirti Abhishek - 8294934737

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VNIT Nagpur,
2. Dr. Ajai Singh - 9031450087
Central University, Jharkhand
3. Dr. N. N. Maurya - 9430692342
NIT Patna

4. Dr. B. K. Mishra - 9471191704
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7. Dr. Prahlad Prasad - 9430103417
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8. Dr. Pankaj Roy - 9430103417
BIT Sindri
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4. Er. Sunil Kumar - 7782852739
5. Er. Prabhu Shankar - 9507970254

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3. Dr. Shamana Anwar – 9431103880
4. Er. Sumeshwar Mishra - 9279531699

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2. Er. Mohit Verma - 7903575785
3. Dr. Mili Ghosh - 9431161249
4. Dr. Prabhjyot Kaur - 9430334455
5. Mr. Apurva Ashish - 7004604099
6. Dr. A P Krishna
7. Dr. V S Rathore
8. Dr. Prahlad Prasad
9. Dr. Pankaj Roy
10. Mr. Kumar Premchand, Unicef - 9431370421
11. Dr. Laxmi Saxena - 9998578288

LIST OF HOTELS

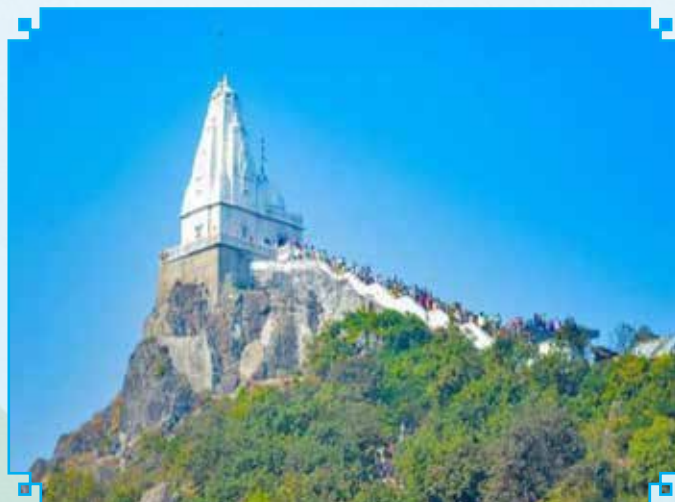
NAME	CONTACT NO.	NAME	CONTACT NO.
Radisson Blue	0651-6602222, 18001080333	Yuvraj Place	06512481778, 09693650266 9693450268
Green Acre	06204863849, 06204858173	AVN Grand	06512332861/62/63, 9771461297
Green Horizon	06204858173, 09572781626	Hotel Apsara	06512561066, 09122261066
Capital Residency	06516607777, 06516602525	Courtyard by Marriot	06513537200
Quality Inn	01246201617, 06512460128	Ramada by Wyndham	06513526600
Binna Inn	07631700076, 07631700077	Lake Sarovar Portico	09570000654
Jade Square	09798302181/83	Arhan Inn	06512223233, 09097989429
Capital Hill	06512331331, 09234461278	Bloom Hotel	06514656682
Chanakya BNR	06516606460, 09234062550	Fab Hotel Shivani International	8102212341, 9955356260
Maharaja Hotel	06512360082, 09572736836	Maharaja Hotel	06512360082, 09572736836
Rendezvous	03592206270	Royal Retreat	06513010999, 08102918108
Lemon Tree	09341381005	Land Mark	09234613590

TOURIST POINT



Sub Temple :

The Sun Temple is a hilltop temple near Bundu dedicated to the Sun God, noted for its chariot-shaped design. It is a popular tourist spot located about 40 km from Ranchi.



Parasnath Temple :

The Parasnath Jain Temple (Shikharji) is the holiest Jain pilgrimage site, located atop Parasnath Hill where many Tirthankaras attained salvation. It lies at a distance of about 170 km from Ranchi.

TOURIST POINT



Patratu Valley

A scenic hill valley known for its winding roads, lush green hills, and the Patratu Dam. It is a popular destination for nature lovers and short excursions from Ranchi. (Distance from Ranchi: ~40 km)



Dasam Falls

A spectacular waterfall on the Kanchi River where water plunges from a height of about 144 feet. Surrounded by dense forest, it is ideal for photography and nature visits. (Distance from Ranchi: ~40 km)



Hundru Falls

One of the highest and most famous waterfalls in Jharkhand, formed by the Subarnarekha River. The falls are especially impressive during the monsoon season. (Distance from Ranchi: ~45 km)



Deori Mandir

A revered temple dedicated to Goddess Durga, located on the Ranchi–Tata highway. It is a major spiritual destination in the region. (Distance from Ranchi: ~60 km)



Netarhat

Known as the 'Queen of Chotanagpur', Netarhat is a serene hill station famous for sunrise and sunset points, pine forests, and pleasant climate. (Distance from Ranchi: ~150 km)



Rajarappa Temple

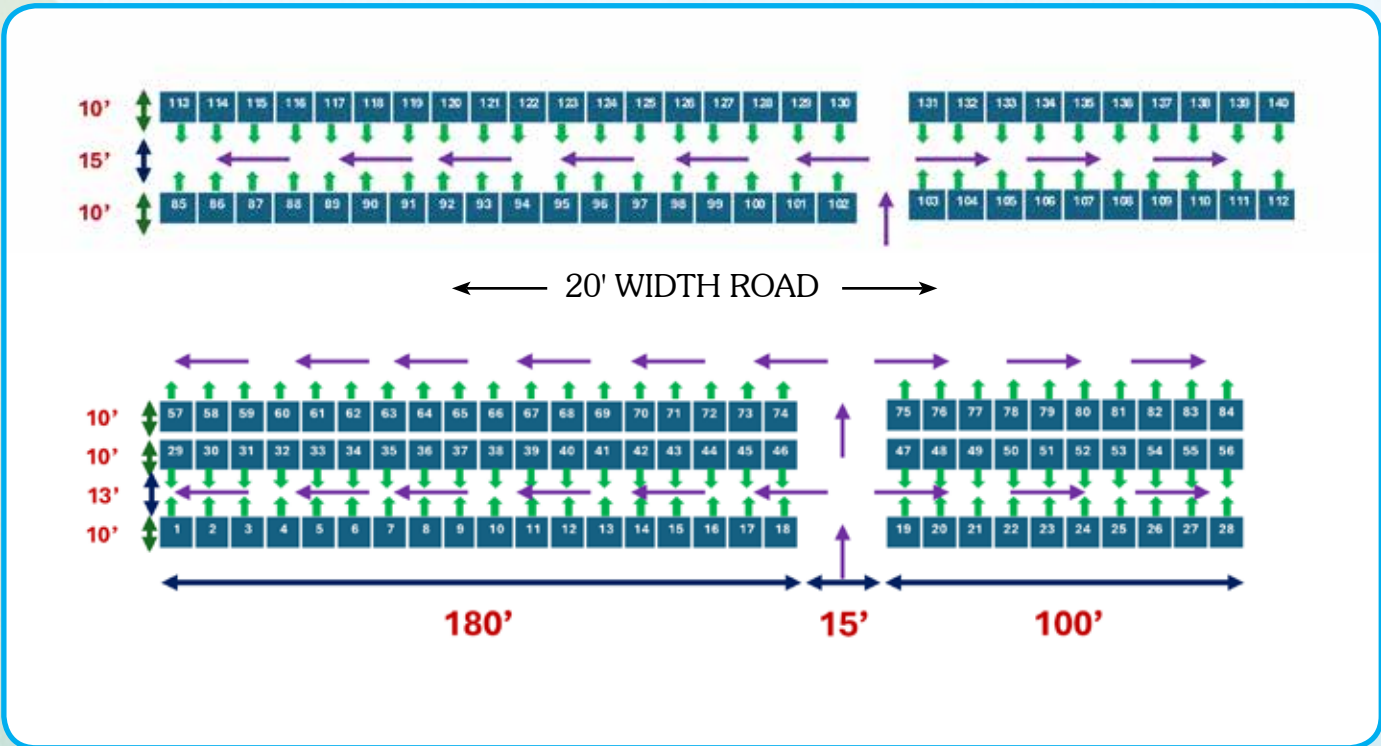
A famous pilgrimage site where the Damodar and Bhairavi rivers meet. The Chhinnamasta Temple and nearby waterfalls make it both sacred and scenic. (Distance from Ranchi: ~70 km)



Vaidyanath Dham (Deoghar)

One of the twelve Jyotirlingas of Lord Shiva, Vaidyanath Dham is an important pilgrimage center attracting devotees from all over India. (Distance from Ranchi: ~230 km)

LAYOUT OF PLAN



- : Venue :-

G. P. Birla Auditorium, BIT Mesra, Ranchi



REGISTRATION FEES

Sponsors			
Sl. No.	Description	Rate	Remarks
1.	Rhodium Sponsor	₹ 25,00,000 + 18% GST	4 Stalls, 12 Delegates, 12 Delegate Kits, Commercial Presentation (30 min), Colour Advertisement – Full Page (Cover)
2.	Indium Sponsor	₹ 20,00,000 + 18% GST	4 Stalls, 10 Delegates, 10 Delegate Kits, Commercial Presentation (25 min), Colour Advertisement – Full Page (Cover)
3.	Platinum Sponsor	₹ 15,00,000 + 18% GST	4 Stalls, 8 Delegates, 8 Delegate Kits, Commercial Presentation (20 min), Colour Advertisement – Full Page (Cover)
4.	Diamond Sponsor	₹ 12,50,000 + 18% GST	4 Stalls, 6 Delegates, 6 Delegate Kits, Commercial Presentation (15 min), Colour Advertisement – Full Page (Inner)
5.	Gold Sponsor	₹ 10,00,000 + 18% GST	2 Stalls, 5 Delegates, 5 Delegate Kits, Commercial Presentation (15 min), Colour Advertisement – Full Page (Inner)
6.	Silver Sponsor	₹ 7,50,000 + 18% GST	2 Stalls, 4 Delegates, 4 Delegate Kits, Commercial Presentation (10 min), Colour Advertisement – Full Page (Inner)
7.	Bronze Sponsor	₹ 5,00,000 + 18% GST	2 Stalls, 3 Delegates, 3 Delegate Kits, Colour Advertisement – Half Page (Inner)
8.	Copper Sponsor	₹ 2,50,000 + 18% GST	2 Stalls, 2 Delegates, 2 Delegate Kits, Colour Advertisement – Half Page (Inner)

2. Exhibition Stall Booking

Sl. No.	Category	Amount
1.	First Stall (3 m × 3 m)	75,000 + GST@18%
2.	Additional Stall (3 m × 3 m)	60,000 + GST@18%

3. Commercial Session Presentation

Sl. No.	Duration	Charges
1.	10 Minutes	50,000 + GST@18%
2.	15 Minutes	60,000 + GST@18%
3.	20 Minutes	70,000 + GST@18%

4. Souvenir Advertisement Rates

Colour Advertisements

Sl. No.	Duration	Charges
1.	Back Cover (Outside)	1,50,000 + GST@5%
2.	Front / Back Cover (Inside)	1,25,000 + GST@5%
3.	Inside Full Page	1,00,000 + GST@5%
4.	Inside Half Page	60,000 + GST@5%
5.	Inside Quarter Page	35,000 + GST@5%

Black & White Advertisement

Sl. No.	Duration	Charges
1.	Inside Full Page	75,000 + GST@5%

Organised by :

INDIAN WATER WORKS ASSOCIATION

Head Quarter : MCGM Compound, Pipe Line Road, Vakola, Santacruz East, Mumbai 400054

Hosted by :

IWWA RANCHI CENTRE

B/405, Panchwati Elite, Jora Talab Road, Bariatu, Ranchi - 834009

In Association with BIT MESRA, RANCHI