

WATER IN INDIA 2020

Emerging Trends, Impact of Covid-19, Opportunities and Demand Outlook

- ❖ Report (PDF)
- ❖ Data-set (Excel)

The 2020 edition will help you to:

- ❖ Analyse the state of the water sector in India and identify the key trends
- ❖ Understand and analyse the current size and growth prospects for key segments - Municipal, Industrial, Desalination and Wastewater Treatment and Reuse.
- ❖ Learn in detail about the impact of covid pandemic on the water sector projects and investments.
- ❖ Realistically analyse the upcoming opportunities and the top projects across key segments
- ❖ Gain insights into the medium term and long term outlook for the water sector over the next few years
- ❖ Support business strategy and decision making

The National Infrastructure Pipeline has projected a capital expenditure of Rs 3.63 trillion on water and sanitation sector during the time period 2019-20 and 2024-25. The government's strong commitment and support through programmes such as Jal Jeevan Mission, AMRUT, Smart Cities Mission and Swachh Bharat Urban, Namami Gange Programme is expected to attract greater investments in the sector, improve ULB capacity and upgrade infrastructure. Over the next couple of years, investment in the sector will be directed towards providing 24x7 water supply, improving industrial water use efficiency, deploying cost-effective seawater desalination technologies and encouraging wastewater recycling and reuse. The water demand from the municipal and industrial segments is expected to reach 1,498 cubic km by 2030. The Covid pandemic has highlighted the vast scope for scaling up infrastructure and improving services across the municipal, industrial, desalination and wastewater treatment segments. Thus, delegation of operations to the private sector with performance-based contracts is expected to go a long way in improving efficiency and providing better service delivery.

SECTION I: MARKET SIZE, IMPACT OF COVID, OPPORTUNITIES AND OUTLOOK

1. Water Market Overview, Growth, and Trends

- ❖ Size and Growth
 - Municipal
 - Industrial
- ❖ Emerging Trends
- ❖ Policy & Regulatory Developments
- ❖ City-Level Initiatives & Best Practices
- ❖ Technology Trends & Advancements
- ❖ Sources of Water Supply (Surface & Groundwater)
- ❖ New Water Sources (Treated Wastewater, Desalinated Water, etc.)
- ❖ Issues and Challenges
- ❖ Revised Outlook in Light of COVID-19

2. Impact of COVID-19 on Projects and Investments

- ❖ Progress made by Projects Since April 2020
 - Projects that Have Resumed Construction Work
 - Projects Awarded
 - Projects Facing Supply Chain Issues
 - Projects Facing Funding Delays
 - Project that Have Progressed to Construction Post Award
 - Bid Postponements
 - Under Bidding Projects
- ❖ Impact on Supply Chain
 - Labour Availability
 - Raw Material and Input Costs

- Equipment Availability
- Alternate Supply Options Being Considered

❖ Impact on Key Segments

- Municipal
- Industrial
- Desalination
- Wastewater Treatment & Reuse

❖ Impact on Investments

- Government Funding
- Capex Plans of Key Companies

❖ Overall Impact on Capacity Addition

❖ Relief Measures & Recovery Strategies

3. Project Pipeline Analysis: Re-assessment of Opportunities in Light of Covid-19 (Till 2025)

❖ Realistic Assessment of Project Pipeline

- Short Term
- Medium Term
- Long Term

❖ Analysis by Segment (Municipal, Industrial, Desalination and Wastewater)

❖ Analysis by Stage of Development

❖ Analysis by Ownership

❖ Analysis by Region & State

❖ Analysis by Completion Period

❖ Top Upcoming Projects in terms of Investment

❖ Upcoming Contracts and Tenders

4. Outlook and Market Opportunities (Medium Term and Long Term)

- ❖ Growth Drivers
- ❖ Demand and Supply Projections (till 2025)
- ❖ Future Technologies in the Post- COVID-19 World
- ❖ Capacity Addition Plans
- ❖ Investment Requirements (till 2025)
- ❖ Market Opportunities
 - EPC Contractors
 - Project Developers
 - Technology Suppliers
 - Equipment Providers
 - Consultants
 - Financiers
 - Construction Material Suppliers

7. Tariffs and Costs Structure

- ❖ Tariff Structure
- ❖ Water Charges & Fees
- ❖ Production Costs & O&M Expenses
- ❖ Recent Tariff Reforms
- ❖ Issues and Challenges

8. Financing and Investment Trends

- ❖ Key Funding Sources
- ❖ Recent Financing Trends
- ❖ Potential for Private Participation
- ❖ Formats and Models
- ❖ Revenue Stream
- ❖ Key PPP Projects: Completed and Ongoing
- ❖ Key Upcoming Projects
- ❖ Risks and Challenges

SECTION II: MUNICIPAL WATER: SEGMENT ANALYSIS, OUTLOOK AND OPPORTUNITIES**5. Segment Size and Growth**

- ❖ Piped Water Supply Network
- ❖ Emerging and Recent Trends
- ❖ Urban Water Supply Sources
- ❖ Consumption Patterns
- ❖ Policy & Regulatory Developments
- ❖ Key Completed Projects
- ❖ Segment Outlook

6. Key Government Programmes: Current Status, Upcoming Projects and Opportunities

- ❖ Jal Jeevan Mission
- ❖ Smart Cities Mission
- ❖ Atal Mission For Rejuvenation and Urban Transformation
- ❖ Namami Gange Mission

For each of the programmes project scope, investment requirements, financing sources, current status, key completed and ongoing projects, upcoming tenders, targets and completion timelines, etc, will be covered.

9. 24x7 Water Supply: Experience, Challenges and Opportunities

- ❖ Experience So Far
- ❖ Pilot Projects & Case Studies: Implementation Experience & Lessons Learnt
- ❖ Key Completed & Ongoing Projects
- ❖ Key Planned & Announced Projects
- ❖ Upcoming Contracts & Tenders
- ❖ Segment Outlook

10. Metering Practices: Current Deployment and Future Outlook

- ❖ Current Practices & Type of Meters Deployed
- ❖ New Trends & Advancements
- ❖ Case Studies & Best Practices
- ❖ Demand Projections
- ❖ Segment Outlook

11. NRW Reduction Strategies and Revenue Management Systems

- ❖ Current Practices & Strategies
- ❖ City-wise NRW Levels
- ❖ Case Studies & Best Practices
- ❖ Future Plans & Initiatives
- ❖ Segment Outlook

SECTION III: INDUSTRIAL WATER: SEGMENT ANALYSIS, OUTLOOK AND OPPORTUNITIES

12. Segment Size and Growth

- ❖ Water Requirement by Industry
- ❖ Emerging and Recent Trends
- ❖ Water Supply Sources
- ❖ Consumption Patterns
- ❖ Regulatory Developments
- ❖ Key Completed Projects
- ❖ Segment Outlook

13. Tariffs and Cost Structure

- ❖ Tariff Structure
- ❖ Water Charges & Fees
- ❖ Production Costs & O&M Expenses
- ❖ Recent Tariff Reforms
- ❖ Issues and Challenges

14. Power Sector: Demand Analysis and Future Projections

- ❖ Current Water Consumption
- ❖ Water Management Practices & Initiatives
- ❖ Effluent Generation and Treatment
- ❖ Capacity Expansion Plans
- ❖ Projected Water Demand
- ❖ Issues and Challenges

15. Textile Sector: Demand Analysis and Future Projections

- ❖ Current Water Consumption
- ❖ Water Management Practices & Initiatives
- ❖ Effluent Generation and Treatment
- ❖ Capacity Expansion Plans
- ❖ Projected Water Demand
- ❖ Issues and Challenges

16. Paper & Pulp Industry: Demand Analysis and Future Projections

- ❖ Current Water Consumption
- ❖ Water Management Practices & Initiatives
- ❖ Effluent Generation and Treatment
- ❖ Capacity Expansion Plans
- ❖ Projected Water Demand
- ❖ Issues and Challenges

17. Steel Sector: Demand Analysis and Future Projections

- ❖ Current Water Consumption
- ❖ Water Management Practices & Initiatives
- ❖ Effluent Generation and Treatment
- ❖ Capacity Expansion Plans
- ❖ Projected Water Demand
- ❖ Issues and Challenges

18. Oil Refineries: Demand Analysis and Future Projections

- ❖ Current Water Consumption
- ❖ Water Management Practices & Initiatives
- ❖ Effluent Generation and Treatment
- ❖ Capacity Expansion Plans
- ❖ Projected Water Demand
- ❖ Issues and Challenges

SECTION IV: DESALINATION MARKET: EMERGING TRENDS, COST ECONOMICS AND FUTURE POTENTIAL

19. Market Size, Experience and Cost Economics

- ❖ Current Capacity
- ❖ Emerging Trends & Developments
- ❖ Cost Components & Capex Trends
- ❖ Noteworthy Projects
- ❖ Industry Structure & Major Players
- ❖ Planned Additions
 - Municipal
 - Industrial
- ❖ Issues & Challenges
- ❖ Segment Outlook

20. Future Potential and Upcoming Capacity

- ❖ Growth Drivers
- ❖ Planned Capacity
 - Municipal
 - Industrial
- ❖ Investment Requirements
- ❖ Future Potential

21. Treatment Technologies: Market Size, Emerging Trends and**Advancements**

- ❖ Prevalent Treatment Technologies
- ❖ Cost Economics & Viability
- ❖ Current Deployment & Case Studies
- ❖ New Advancements & Innovations
- ❖ Issues and Challenges
- ❖ Future Requirements & Outlook

SECTION V: WASTEWATER TREATMENT AND REUSE**22. Emerging Trends and Developments**

- ❖ Current Practices & Infrastructure
- ❖ Notable Trends & Developments
- ❖ Regulatory Landscape
- ❖ New Advancements & Innovations
- ❖ Issues and Challenges

23. Future Requirements and Potential

- ❖ Growth Drivers & Demand Potential
- ❖ Availability of Treated Wastewater
 - Secondary Treated Wastewater
 - Tertiary Treated Wastewater
- ❖ Future Plans & Initiatives
- ❖ Regulatory Outlook
- ❖ Future Roadmap

24. Select Case Studies and Key Lessons

- ❖ Recycle/Reuse Initiatives & Best Practices
 - Municipal
 - Industrial
- ❖ Lessons Learnt
- ❖ Sources of Treated Wastewater Supply
- ❖ Cost Components & Tariffs
- ❖ Key Benefits & Cost Savings
- ❖ Future Plans

SECTION VI: DATABASE OF KEY PROJECTS

A comprehensive excel-based database of ongoing and upcoming projects in the municipal water supply, industrial water supply, desalination and wastewater treatment segments.

Each project will provide information on:

- Scope
- Project Cost
- Current Status
- Segment (Municipal, Industrial, Desalination, Wastewater Treatment)
- Mode of Implementation (PPP or EPC)
- Contractor/Developer
- Equipment Supplier (wherever available)
- Funding Sources (wherever available)
- Expected Capacity Addition
- Expected Completion Date

I would like to purchase the “Water in India 2020” report:

Format (PDF)	By Oct. 16, 2020	By Oct. 30, 2020	By Nov.20, 2020	After Nov. 20, 2020
Site Licence (Single Location)	Rs 70,000	Rs 80,000	Rs 90,000	Rs 100,000
GST @ 18%	Rs 12,600	Rs 14,400	Rs 16,200	Rs 18,000
Total	<input type="checkbox"/> Rs 82,600	<input type="checkbox"/> Rs 94,400	<input type="checkbox"/> Rs 106,200	<input type="checkbox"/> Rs 118,000
Enterprise Licence (Multiple Locations)	Rs 105,000	Rs 120,000	Rs 135,000	Rs 150,000
GST @ 18%	Rs 18,900	Rs 21,600	Rs 24,300	Rs 27,000
Total	<input type="checkbox"/> Rs 123,900	<input type="checkbox"/> Rs 141,600	<input type="checkbox"/> Rs 159,300	<input type="checkbox"/> Rs 177,000

I am enclosing a cheque/demand draft for Rs _____, vide cheque/demand draft no. _____ drawn on _____ dated _____ in favour of “India Infrastructure Publishing Pvt. Ltd.”

Signature

.....

Name (Block Letters) _____

Designation _____

Company _____

Company GST No. _____

Mailing Address _____

Telephone _____ Mobile _____

E-mail _____

Wire transfer details:

Beneficiary : India Infrastructure Publishing Pvt. Ltd.
Bank Name : The Hongkong and Shanghai Banking Corporation Ltd
Bank Address : R-47, Greater Kailash-1, New Delhi - 110048
Account No. : 094179587002
Swift Code : HSBCINBB
IFSC Code : HSBC0110006
GSTIN : 07AAACI5880R1ZV

Contact details:

Raktima Majumdar

Senior Manager-Information Products
 India Infrastructure Publishing Pvt. Ltd.,
 B-17, Qutab Institutional Area, New Delhi - 110 016, India
 Mobile: +91 8826127521
 Email: majumdar.raktima@indiainfrastructure.com