

New Report

SEWAGE TREATMENT MARKET IN INDIA 2018

Segment Analysis, Outlook and Opportunities

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India Infrastructure Research

1. Executive Summary

SECTION I: MARKET OVERVIEW AND TRENDS

2. Sector Size and Growth

- ❖ Sewage Generation Trends
- ❖ Treatment Capacity
- ❖ City-wise Sewage Treatment Capacity
- ❖ Policy and Regulatory Framework
- ❖ Norms for Sewage Treatment
- ❖ Key Trends
- ❖ Recent Developments
- ❖ Current Tariff Structure and Revisions
- ❖ Issues and Challenges

3. Investment Scenario and PPP Experience

- ❖ Experience So Far
- ❖ Funding Sources and Financing Models
- ❖ Key Sources of Revenue
- ❖ Cost Components
- ❖ Project Economics
- ❖ PPP Experience and Trends
- ❖ Case Studies of PPP Projects
- ❖ Key Success Factors
- ❖ Role of Multilateral Funds
- ❖ Investment Requirements

4. Focus on Hybrid Annuity Model

- ❖ Salient Features
- ❖ Experience So Far
- ❖ Key Projects (Ongoing, Upcoming and Announced)
- ❖ Industry Expectations
- ❖ Risks and Challenges
- ❖ Future Outlook

5. Intercity Comparison

- ❖ Analysis of Sewage Generation (Based on Population)
- ❖ City-wise Analysis of Sewage Treatment Capacity
- ❖ Technology-wise Analysis
- ❖ Capacity Addition Plans
- ❖ Initiatives Towards Recycle and Reuse

6. Competitive Landscape

- ❖ Key Players (Indian and Global)
- ❖ Experience So Far
- ❖ Current Market Shares
- ❖ Project Portfolio (Ongoing and Completed Projects)
- ❖ Capacity Addition Plans
- ❖ Financial Performance
- ❖ Key Concerns and Future Plans

7. Trends in Treatment Technologies

- ❖ Recent Technology Advancements
- ❖ Conventional Technologies
 - Key Features, City-level Experience So Far, Current Capacity
- ❖ Advanced Technologies
 - Key Features, City-level Experience So Far, Current Capacity
- ❖ Key Case Studies

SECTION II: MARKET OUTLOOK AND OPPORTUNITIES

8. Demand Drivers

- ❖ Growth in Population and Urbanisation
- ❖ Depleting Water Resources
- ❖ Increasing Focus on Recycle and Reuse
- ❖ Others

9. Opportunities under Key Government Programmes

- ❖ Namami Gange Programme
- ❖ Atal Mission for Rejuvenation and Urban Transformation (AMRUT)
- ❖ Smart Cities Mission
- ❖ Swachh Bharat Mission

This chapter will include details about the scope of each programme, investment requirements, tentative timelines, current status, key projects announced, expected capacity addition, and market opportunities for key players.

10. Project Pipeline

- ❖ Overall Project Pipeline
- ❖ Project Pipeline by State/City
- ❖ By Status (Ongoing, Awarded, Under Bidding, Planned)
- ❖ By Mode of Implementation (EPC, PPP)

11. Future Projections and Market Opportunities (till 2023-24)

- ❖ Investment Projections
- ❖ Expected Capacity Addition
- ❖ Market Opportunities
 - For EPC Contractors, Project Developers, Technology Providers, Equipment Suppliers, Sewer Pipe Manufacturers
- ❖ Sector Outlook

SECTION III: FOCUS ON EMERGING SEGMENTS

12. Energy from Sewage

- ❖ Experience So Far
- ❖ Existing Capacity
- ❖ Technologies in use across Cities
- ❖ Upcoming Projects
- ❖ Potential for Energy Generation
- ❖ Segment Outlook

13. Recycle and Reuse

- ❖ Experience So Far
- ❖ Current Practices
- ❖ Standards for Reuse
- ❖ Technologies in use across Cities
- ❖ Potential for Recycle and Reuse
- ❖ Issues and Challenges
- ❖ Segment Outlook

SECTION IV: KEY CITY PROFILES

14. Profiles of Key Cities

- | | | |
|--------------------|-------------|-------------|
| ❖ Mumbai | ❖ Delhi | ❖ Bengaluru |
| ❖ Hyderabad | ❖ Ahmedabad | ❖ Chennai |
| ❖ Kolkata | ❖ Surat | ❖ Pune |
| ❖ Pimpri Chinchwad | ❖ Others | |

Each profile will cover the overview of the city's sewage generation level, sewage network, treatment capacity, treatment technologies, policy and regulatory initiatives, upcoming capacity, tariffs, fund allocation and other key measures being undertaken towards recycle and reuse.

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