# DESALINATION MARKET IN INDIA



Rapid population growth, combined with declining freshwater water resources in the country, is expected to drive the adoption of desalination technologies. Industries such as thermal power plants and oil refineries are setting up large-scale desalination plants to meet their water requirements efficiently. At least 350 mld of desalination capacity is being set up for industrial use. On the municipal front, Tamil Nadu and Gujarat have witnessed a tremendous increase in desalination demand. Another 800 mld of desalination capacity will be added in these two states alone in the next three to four years.

Private players in the desalination market have increased in the last one decade or so. Advanced technologies and equipment are also being deployed to reduce the high energy costs associated with desalination. Over the next three to four years, at least Rs 135 billion will be required to set up the planned desalination projects, thus presenting significant opportunities to key stakeholders.

# WASTEWATER TREATMENT AND REUSE MARKET IN INDIA

Sewage generation in urban areas has increased from 62,000 million litres per day (mld) in 2015 to 71,000 mld in 2019. At present, only 30 per cent of the wastewater generated in the country is treated, offering tremendous potential for wastewater recycling and reuse. Over the past few years, there has been an Increasing focus on developing alternative sources of water supply through practices such as recycling and reuse of treated wastewater. Municipal agencies in Delhi, Surat, Bengaluru and Nagpur are successfully using recycled wastewater for non-potable uses. Also, recycled wastewater is being used for industrial and agricultural consumption. Strict regulations and guidelines have been formulated to restrict the use of freshwater. Also, these projects and initiatives have been promoted under various government programmes including the Swachh Bharat Mission, the Atal Mission for Rejuvenation and Urban Transformation, and the Namami Gange programme. Thus, the segment presents signisicant opportunities for all stakeholders.

1. **Sewerage Sector Overview**
   - ❖ Sewage Generation
   - ❖ Treatment Capacity
   - ❖ Treatment Generation Gap
   - ❖ Standards and Norms
   - ❖ Notable Trends
   - ❖ Government Initiatives
   - ❖ Issues and Challenges
   - ❖ Future Projections (till 2024-25)
   - ❖ Sector Outlook

2. **Municipal Recycle and Reuse Practices**
   - ❖ Current Scenario
   - ❖ Emerging Trends
   - ❖ Key Initiatives
   - ❖ New Technologies/Innovations
   - ❖ Issues and Challenges

3. **Industrial Effluent Management Practices**
   - ❖ Current Effluent Generation
   - ❖ Discharge Standards and Norms
   - ❖ Existing Treatment Facilities
   - ❖ Key Ongoing and Upcoming Facilities
   - ❖ Recycle and Reuse Practices
   - ❖ Innovations and Advancements
   - ❖ Segment Outlook

4. **Select Case Studies**
   - ❖ Municipal
   - ❖ Industrial

*Each case study will cover information on recycle/reuse initiatives, infrastructure created, sources of wastewater supply, cost of wastewater and tariffs (wherever available), key benefits, lessons learnt and future plans*

5. **Treatment Technologies and Innovations**
   - ❖ Key Treatment Technologies
   - ❖ Cost and Performance Comparison
   - ❖ Current Capacity and Key Plants
   - ❖ New Innovations and Advancements

6. **Future Requirements and Potential**
   - ❖ Treated Wastewater in Circular Economy Context
   - ❖ Growth Drivers
   - ❖ Availability of Treated Wastewater
     - Secondary Treated Wastewater
     - Tertiary Treated Wastewater
   - ❖ Key Upcoming Projects/Initiatives
   - ❖ Future Outlook and Potential

7. **Database of Key Upcoming Projects**
   - ❖ Planned/Proposed STPs
   - ❖ Planned/Proposed CETPs

*Each project provides information on the scope of work, location, capacity, implementing agency, developer/contractor, current status, expected date of completion, etc.*

☐ I would like to purchase the **"Desalination Market in India"** report:

☐ I would like to purchase the **"Wastewater Treatment and Reuse Market in India"** report:

| Format (PDF) | By April 30, 2020 | By May 20, 2020 | After May 20, 2020 |
|---|---|---|---|
| **Desalination Market in India** | | | |
| **Site Licence (Single Location)** | Rs 40,000 | Rs 45,000 | Rs 50,000 |
| GST @ 18% | Rs 7,200 | Rs 8,100 | Rs 9,000 |
| **Total** | ☐ **Rs 47,200** | ☐ **Rs 53,100** | ☐ **Rs 59,000** |
| **Enterprise Licence (Multiple Locations)** | Rs 60,000 | Rs 67,500 | Rs 75,000 |
| GST @ 18% | Rs 10,800 | Rs 12,150 | Rs 13,500 |
| **Total** | ☐ **Rs 70,800** | ☐ **Rs 79,650** | ☐ **Rs 88,500** |
| **Wastewater Treatment and Reuse Market in India** | | | |
| **Site Licence (Single Location)** | Rs 40,000 | Rs 45,000 | Rs 50,000 |
| GST @ 18% | Rs 7,200 | Rs 8,100 | Rs 9,000 |
| **Total** | ☐ **Rs 47,200** | ☐ **Rs 53,100** | ☐ **Rs 59,000** |
| **Enterprise Licence (Multiple Locations)** | Rs 60,000 | Rs 67,500 | Rs 75,000 |
| GST @ 18% | Rs 10,800 | Rs 12,150 | Rs 13,500 |
| **Total** | ☐ **Rs 70,800** | ☐ **Rs 79,650** | ☐ **Rs 88,500** |
| **PACKAGE** | | | |
| **Desalination Market in India + Wastewater Treatment and Reuse Market in India** *(Special Combo Price):* | | | |
| **Site Licence (Single Location)** | Rs 64,000 | Rs 72,000 | Rs 80,000 |
| GST @ 18% | Rs 11,520 | Rs 12,960 | Rs 14,400 |
| **Total** | ☐ **Rs 75,520** | ☐ **Rs 84,960** | ☐ **Rs 94,400** |
| **Enterprise Licence (Multiple Locations)** | Rs 96,000 | Rs 108,000 | Rs 120,000 |
| GST @ 18% | Rs 17,280 | Rs 19,440 | Rs 21,600 |
| **Total** | ☐ **Rs 113,280** | ☐ **Rs 127,440** | ☐ **Rs 141,600** |

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