

## **India Desalination Systems Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)**

Market Report | 2023-01-23 | 120 pages | Mordor Intelligence

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### **Report description:**

The market for desalination systems in India is likely to register a CAGR of more than 3% during the forecast period.

#### Key Highlights

The major factor driving the market's growth is the rising gap between water supply and demand in the country. The increasing population also escalated the demand for pure water supply in India. Hence, this factor is expected to drive the market's growth. However, the high cost of water treatment plants and the growing environmental concerns regarding the use of desalination systems are expected to restrain the market's growth during the forecast period.

The use of desalination systems for the municipal segment is projected to have a significantly higher share in the market.

#### India Desalination Systems Market Trends

##### Rising Demand from the Municipal Segment

India is witnessing a dire water shortage, especially drinking water, as present sources (both surface and groundwater) are becoming increasingly strained. The water consumption rate in the country is continuously increasing every year.

According to a report published by the Planning Commission of India in 2020, the average annual per capita water availability in the country declined to 1,486 cubic meters in 2021. It may continue to decline to 1,367 cubic meters in 2031.

Thus, municipalities have taken up the responsibility to treat seawater and generate potable water so that people can get access to clean drinking water.

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In February 2021, the Mumbai Municipal Corporation, also known as Brihanmumbai Municipal Corporation (BMC), announced its plans to set up a desalination plant with 200 MLD per day to overcome the water shortage in the city. The plant is estimated to be operational by 2025.

According to the Minister for Municipal Administration, in Chennai, there are two ongoing desalination projects. The plan with a capacity to treat 150 MLD at Nemmeli will be completed by 2023 to benefit 9 lakh people. Another plant with a capacity of 400 MLD will be completed by 2025, which will provide water to 22 lakh people in the city.

All these factors are expected to drive the Indian desalination systems market during the forecast period.

## Membrane Technology to Dominate the Indian Market

In India, the market share of reverse osmosis technology constituted about 30% of the water purifier market in 2021.

Nanofiltration membranes are used significantly to reduce the odor, color, and hardness and separate heavy metal ions from water systems.

In India, all the major desalination plants, such as the Minjur plant, Nemmeli Seawater Desalination Plant, and Mumbai desalination plant, are all based on membrane technology, indicating market domination in the country.

In the Union Budget 2022, the Government of India announced a package of INR 60 lakh crore to provide drinkable water to every household, thus boosting the demand for desalination systems.

In 2022, the bottled water segment's revenue is expected to be USD 5,764 million, with the average volume per person amounting to 17.4 L.

The demand for drinking water in India is projected to be 73 billion cubic meters in 2025. It is anticipated to reach 102 billion cubic meters by 2050, thus requiring membrane technology for efficient results.

Thus, rising demand for water from various industries, coupled with government support, is expected to drive the Indian desalination systems market during the forecast period.

## India Desalination Systems Market Competitor Analysis

The Indian desalination systems market is partially consolidated. Some of the players (not in any particular order) include Suez SA, Veolia Environnement SA, Aquatech International LLC, IDE Technologies Ltd, and Ion Exchange.

### Additional Benefits:

The market estimate (ME) sheet in Excel format

3 months of analyst support

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