

INDIA MEMBRANE SEPARATION TECHNOLOGY

ASSESSMENT, OPPORTUNITIES & FORECAST UPTO 2018



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India Membrane Separation Technology Market Set To Cross US\$ 2.8 Billion Annualized Market Value by 2018 Projects Tech Archival

The growing awareness of the adverse effects of pollution, strict environmental and regulatory framework, increasing population and depleting pure water resources have created a situation of water scarcity globally. This has somehow forced all stakeholders to examine modern technological possibilities and implement advanced techniques to purify water. Increasing population numbers, a changing climate, intensive industrial growth, and urbanization has undoubtedly continued to make the issue of safe drinking water a key priority in almost every part of the world, especially in developing economies such as China, India, and Brazil etc. This outlook has positively augmented the demand for advanced purification systems such as membrane separation technology in recent times.

In India, the scarcity of safe drinking water has been a long standing problem. Just about 80 percent of diseases in India are caused by water born microorganisms. With more and more global organizations setting up their manufacturing base in India, the country is witnessing a huge demand for supply and usage of pure water. The government is actively planning to increase desalination projects along the coastal areas. The municipal sector is also adopting advanced membrane technologies like reverse osmosis (RO), membrane bio reactors (MBR) etc. to offer safe drinking water to citizens. Other stakeholders including India's Central Pollution Control Board (CPCB) along with several state controlled pollution control boards are planning to enact stringent regulations for water and wastewater treatment which has created a myriad of opportunities

for global membrane separation technology companies to increase their presence in the country and gain benefits from the huge market potential.

Following these inputs, many large scale global companies have expanded their presence in the Indian water market by 2013 including some big names such as Pentair XFlow, GE Water, Aquatech, Siemens, Hyflux, Wabag, Degremont, among many more. On the other hand, the market is also packed with the offerings of a large number of local unorganized manufacturers which amount to as more as 500.

Tech Archival analysts further project that demand for membrane technology systems will continue its positive growth right through 2018 when domestic market value is anticipated to reach more than US\$ 2.8 billion by 2018.

HIGHLIGHTS

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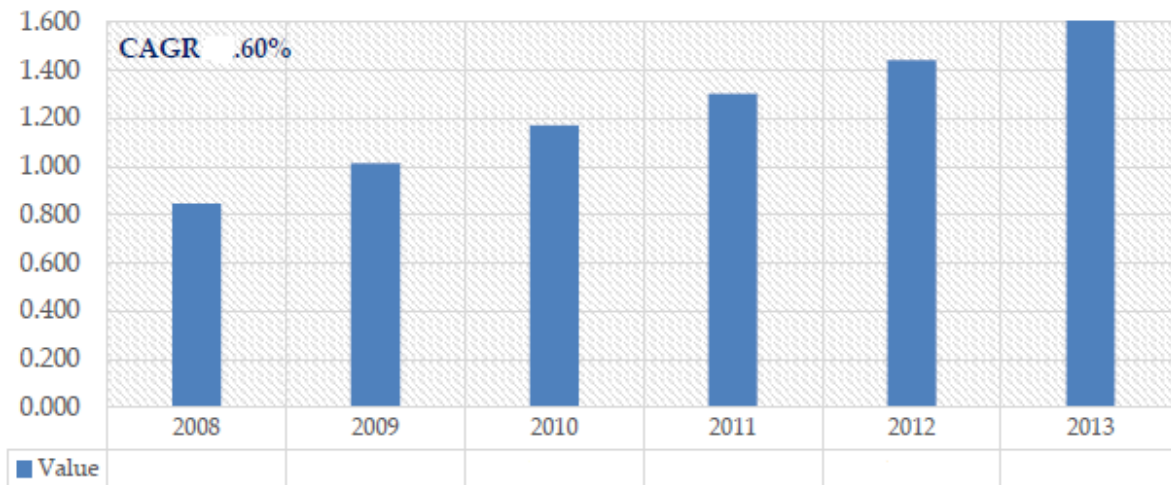
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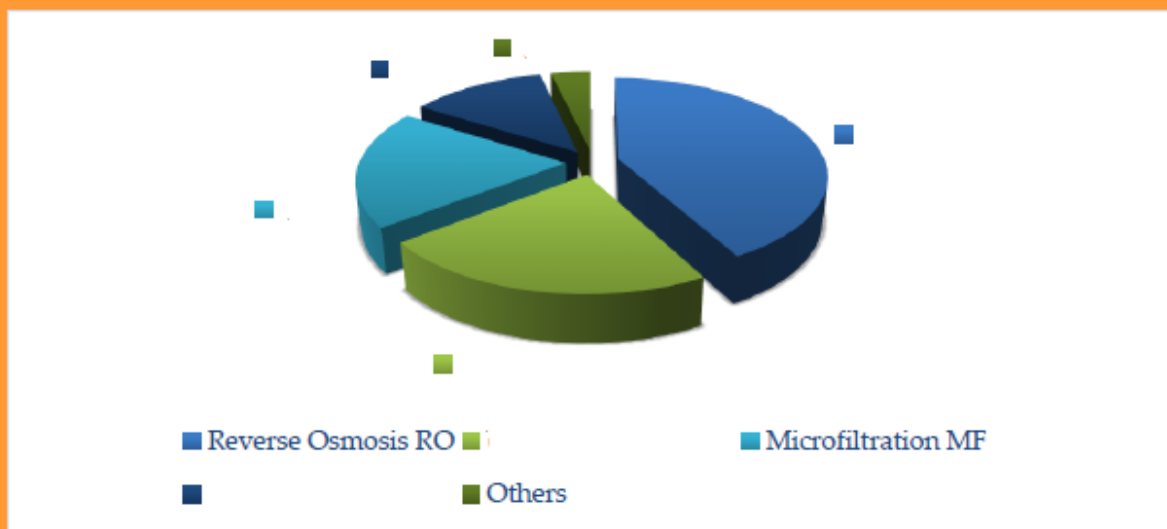
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Exhibit 9: India MST Market Value: US\$ Billions, 2008-2013



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Exhibit 11: India MST Market Segmentation by Membrane Technology: %, 2013



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