



# *engineering water to perfection*

*Water purification Water recycling Water management Water economics*

***Triveni***  
*the Water engineers*



Water is at the core of our lives. It is also a rapidly depleting commodity that must be renewed. Triveni, the water engineers, are uniquely equipped to offer solutions to this challenge.

Water perfection is Triveni's motto, and water engineering our mainstay. We provide complete solutions for water purification, recycling, management and water economics. With Triveni, rest assured that the solution has been engineered to best suit your needs.



Through history, humankind has utilised water resources to meet increasing demand. As towns expanded, water had to be brought in from increasingly remote sources. Engineering has always played a critical role in providing workable solutions to this challenge. With ever-increasing and now excessive demands on our global aquatic environment, simple water solutions are no longer enough. We need sophisticated water engineering solutions to augment water supplies. India, in a rapid development phase, is at the forefront of this need. Engineering is going to be not just part, but at the heart of the solution to the water challenges that confront both individuals and large industries. That is why at Triveni, water perfection is our motto and water engineering the mainstay of our existence. We offer a whole gamut of products and services—components, technology and end-to-end solutions for water purification, water recycling, water management and water economics.

### *triveni- a trusted partner*

- Blending Technology & Engineering Expertise
- Single Point Source- Concept to Commissioning
- Effective Custom Built Systems
- Environmentally Friendly
- Highly Skilled Field Service Specialists
- Cost Effective and Reliable Long Service Agreements



## THE WATER CHALLENGE

It is impossible to deny that water is central to human existence. Equally it needs to be both conserved, and renewed. Large corporations and industry, especially, have a core role to play in this renewal. As a leading player in the water and wastewater treatment in India, Triveni is uniquely equipped to offer solutions to the water challenge. We design and manufacture one of the broadest range of equipments for both the industrial and municipal sectors.

We offer end-to-end solutions for our customers' needs. Our products range from conventional clarification and filtration systems to highly advanced, membrane-based schemes. But what truly sets Triveni apart is that we don't believe in offering off-the-shelf solutions—instead, we use our advanced in-house design and engineering capabilities to customise our products and services to individual needs. We blend technology and engineering expertise in the water and wastewater management business with a thorough understanding of water management. More than suppliers, it makes us partners in evolving your strategy for efficient use of this critical resource.

## EXPERIENCE MEETS EXCELLENCE

In the business for over two decades, we combine critical experience in water management with a strong engineering background to provide high-quality solutions. We started

in 1984, with turnkey projects. From our first order for a wastewater treatment plant, to completion of the country's largest Oil Water Separation System, we've come a long way. Today, we use cutting-edge technologies to take on and meet challenges at every stage. We have also undertaken state government projects under World Bank financing, and have international partnerships to keep us ahead of ever-evolving water management technologies. In 2004, we signed an agreement with US Filter/Memcor (now part of Siemens business group) for their large range of Water and Wastewater Treatment equipment and technologies. This allows us to offer the world's most proven water solutions to the Indian market.

## WATER PURIFICATION

- Water and Wastewater Treatment
- Physical, Chemical, Biological and Membrane-based Solutions
- Desalination & High Purity System
- Condensate Polishing System
- Design and Manufacture Equipment
- Industrial and Municipal Sectors



Triveni combines a thorough knowledge of Indian conditions with world class standards to ensure there's no better partner for your water recycling needs.

Both the ecological as well as the political and financial dynamics of water management have made recycling of water not just an option but a critical necessity.

Triveni understands that for sustainable design of projects, planning has to incorporate demand-and supply-side principles. For effective water cycle management, water economics has to be engineered into every solution. This is our belief.



## WATER RECYCLING

As seasoned players in the water recycling business, we use our experience and expertise to create specialised solutions for specific customer needs. We offer a range of technologies, from simple, efficient options to advanced, complex engineering solutions, depending on the scale and scope of your business needs. We pride ourselves on our combination of high-end technological product line and engineering excellence, management expertise, and entrepreneurial skills. Enhanced by our prior experience as an EPC contractor in this business, we bring this efficient mix to the table when assessing your needs and evaluating options. Our client base is testimony to our skill and the confidence placed in us—clients include the biggest names in the country, and runs the gamut of industries ranging from power to steel, textile, sugar and virtually any critical sector one can think of.

## WATER ECONOMICS

Each drop of water counts, which is why water economics are built into our engineered solutions. For sustainability of solutions to water problems, water economics cannot be ignored. Our value analysis ensures longevity of both new supply options and traditional ones on a sustainable basis, both in industrial and urban development. While technological advancements have now thrown up solutions to most problems, economic arguments often hamper their adoption. Even when adopted, the future upkeep of implemented projects suffers, if water economics is not at the heart of the solution.

When considering the management of water resources, the world is finding itself confronted with three challenges:

- Water supply planning for natural ecosystems and growth in urbanisation
- Pollution leading to growth of environmental controls (effluent discharge etc.)
- Water economics for sustainability of solutions

### *Water economics*

- Every Drop Counts
- Sustainability of Solutions
- Complete Water Cycle Management
- Triveni's Value Analysis

With the expertise to build water economics into our solutions, Triveni ensures that economic sustainability is at the core of what we do, equipping you to stay ahead of the game for times to come.



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