

SHAKTI PUMPS (I) LIMITED

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Water & Waste Water Treatment

Water is indispensable to our lives. And the quality of water is directly linked to the quality of our lives. Whenever we mean use of water, it is for some specific purpose like drinking or process water for industrial use. The most important area of water consumption is human use. More than 75% of human body is made up of water. It is essential for the normal functioning of all body systems and should not contain substances that could cause problems during daily consumption. Water needs to be pure as well as good in taste.

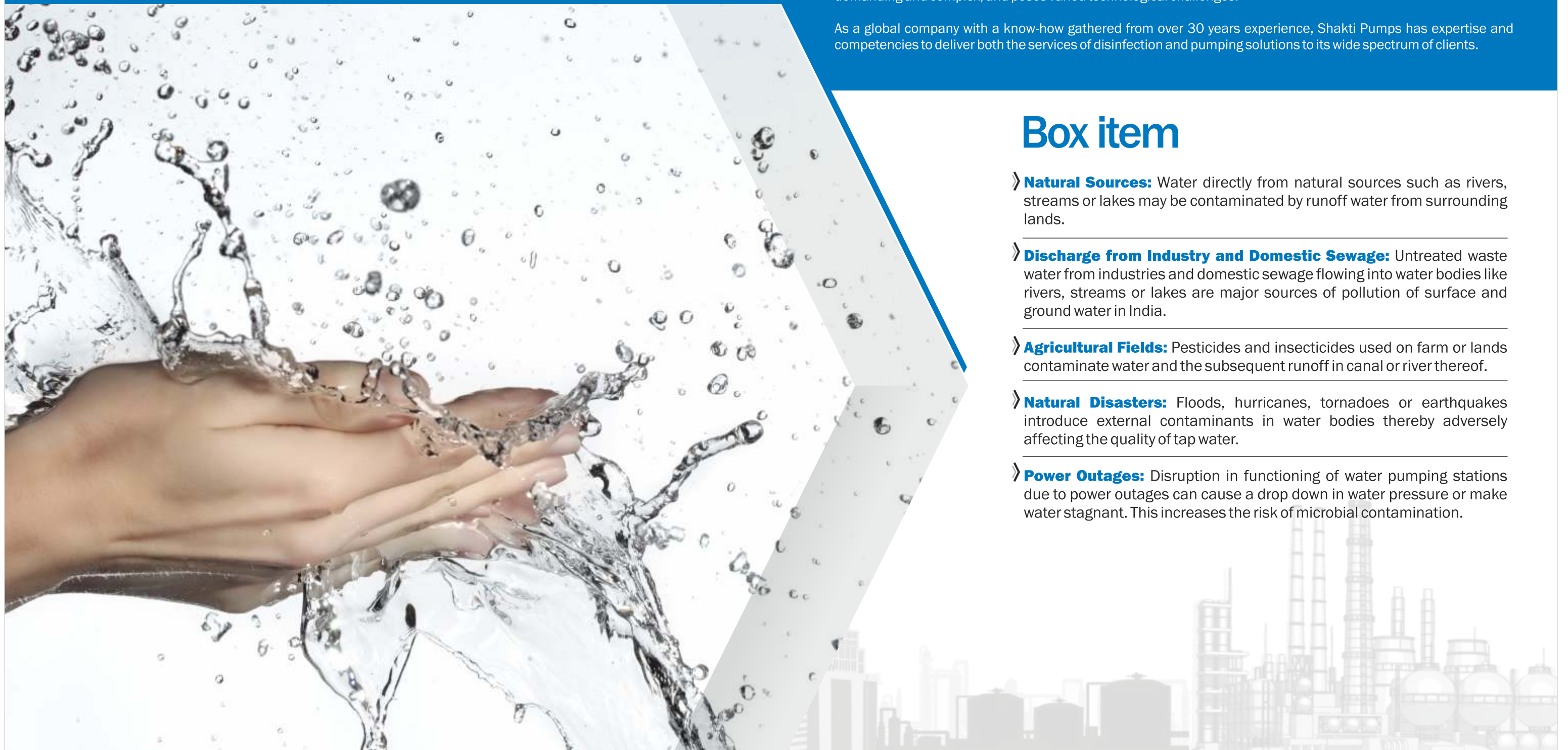
Other areas of water usage include washing, food processing, agriculture, transportation, chemical usage, heat exchanges, fire extinction, recreation, water industry et al. Process water, that forms a direct and significant part of a process or product in industry, must have a chemical composition and temperature that is precisely suited to specific requirements.

In all cases, it is natural and in fact, essential, to be concerned with its quality before utilizing it. This is where 'water treatment' comes into picture, as the available sources of water or that provided by nature is not always of a reliable quality. Here, water treatment becomes imperative and strongly advised. The market of water treatment is quite demanding and complex; and poses varied technological challenges.

As a global company with a know-how gathered from over 30 years experience, Shakti Pumps has expertise and competencies to deliver both the services of disinfection and pumping solutions to its wide spectrum of clients.

Box item

- › **Natural Sources:** Water directly from natural sources such as rivers, streams or lakes may be contaminated by runoff water from surrounding lands.
- › **Discharge from Industry and Domestic Sewage:** Untreated waste water from industries and domestic sewage flowing into water bodies like rivers, streams or lakes are major sources of pollution of surface and ground water in India.
- › **Agricultural Fields:** Pesticides and insecticides used on farm or lands contaminate water and the subsequent runoff in canal or river thereof.
- › **Natural Disasters:** Floods, hurricanes, tornadoes or earthquakes introduce external contaminants in water bodies thereby adversely affecting the quality of tap water.
- › **Power Outages:** Disruption in functioning of water pumping stations due to power outages can cause a drop down in water pressure or make water stagnant. This increases the risk of microbial contamination.



Do what you Do best with **SHAKTI**

Moving along with the leader is half the work done. Choosing Shakti is choosing the best in water treatment solutions. For more than 20 years, our solutions have enabled customers to conduct their business in an effective, reliable and progressive manner. We have constructed installations ensuring the chemical process in the entire water treatment field: disinfection, flocculation, pH-correction and process function.

Shakti Pumps has a full range of products that cover the entire water cycle: supply, treatment, distribution and wastewater collection. And, a wide product range tailored to every segment. Our customers are municipal waterworks, OEM in plant construction, planning agencies, engineering consultants as well as governmental departments all over the world.



SEWAGE PUMPS
SVX Series



SEWAGE PUMPS
SDW Series



**VERTICAL MULTISTAGE
CENTRIFUGAL PUMPS**
SCR, SCRI, SCR N Series



**SINGLE SHAFT VERTICAL
MULTISTAGE PUMPS**
RO Series



OPENWELL PUMPS
SHOS M Series



SELF-PRIMING PUMPS
CRP Series



**MONOBLOCK & END SUCTION
PUMPS**
SNB, SNK Series



**DOMESTIC WATER PRESSURE
BOOSTER PUMPS**
SJP Series



PRESSURE BOOSTER PUMPS
SH Series



PRESSURE BOOSTER PUMPS
SCM Series

Products with a leading-edge technology

Shakti takes pride in the fact that its customers world over trust the quality of Shakti and rely on their great performance year after year. Be it for water/waste water treatment or pumping solutions, the products have always lived up to the expectations of its customers and met their business needs consistently.

Expertise from experience

With more than three decades in the industry and presence in 100 countries, we understand a wide spectrum of customer needs. Our extensive experience enables us to generate more solutions for our customers. We know that no two companies have the same needs. That's why our products can be adapted to suit specific customer requirements.

Choosing Shakti as a preferred system provider means working together with a company that listens. Whatever your business needs and wherever you are based in the world, you will always be close to one of Shakti's Competence Centers. These centers offer complete support for any challenges you may face.

Paramount Quality

Quality is the watchword for the entire organization of Shakti Pumps. Its dedication to quality is evident from the earliest stages of product development right up to customer service and support. Since water treatment is a demanding and complex market with vast and varied technological challenges, nothing but the best skill-sets are needed to deliver the best solutions. At Shakti, customers get the best expertise and competencies in water disinfection and pumping solutions.

Water treatment

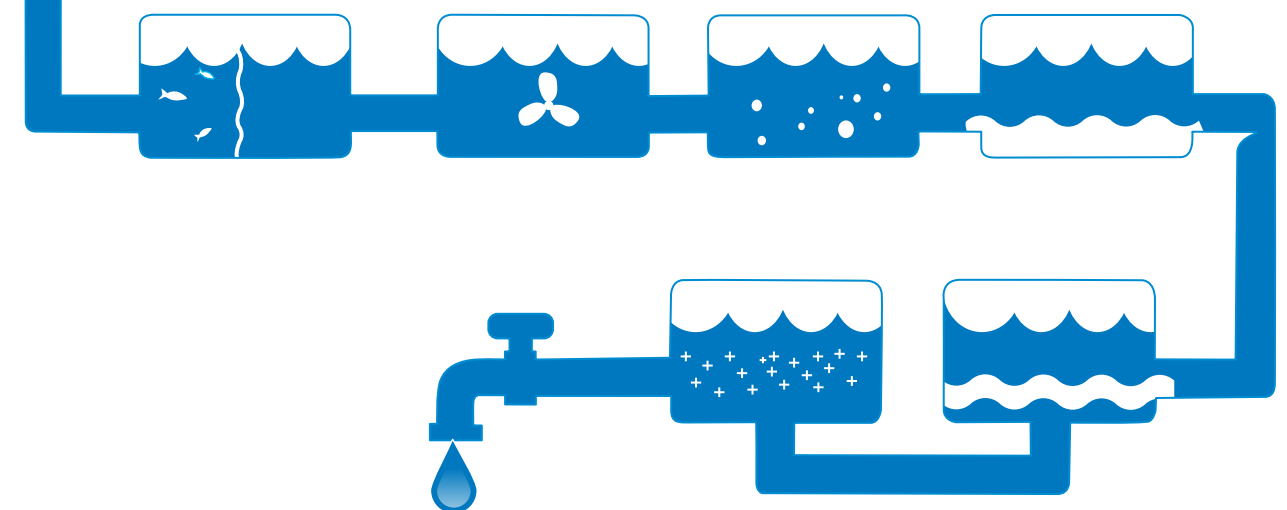
- Water intake/evaporation
- Standard filtration/sedimentation
- Membrane filtering

Waste water treatment

- Process water treatment
- Raw water intake
- Waste water transfer

Masters of water-treatment technology

In the complex world of water treatment, companies constantly need more technologically sophisticated solutions to help them drive forward. Shakti has practical, technological innovations that give sustained added value to customers all over the world. We use the latest cutting-edge technologies to take water treatment to new levels of reliability, applicability and efficacy.





Understanding Business Needs

Shakti is unique in the industry because it can take standard components and assemble them to meet specific customer disinfection and pump solution requirements. This flexibility means we can deliver solutions that can be tailored to virtually any business need. Our range of water treatment products and services includes a full line of needed components up to complete solutions. They cover:

In-line multistage centrifugal pumps

Distinguished with features and sturdily built as per our demanding standards. Ideal for filtering, ion exchange, membrane filtering and UV/Ozone applications.

Raw water pump

Ideal for feed water applications. Comes with complete flexibility with a pump for every duty point.

Submersible well pumps

Ideal for recovery applications. Comes with complete flexibility with a pump for every duty point.

Water transfer Pump

Comes with complete flexibility with a pump for every duty point.

Waste water pumps

Suitable for waste water and recovery applications. Able to handle dry pit as well as submerged installation.

Horizontal multistage centrifugal pumps

Ideal space-saving solution for water treatment systems.

Booster Pumps

Ideal pump for brackish water and sea water desalination systems.

Excellence in all aspects

Shakti Pumps stands for genuine excellence in all its aspects of water treatment solutions right from understanding customer needs to developing products, the flawless processes, supplier network, product delivery and customer care.

Superb development

Shakti is renowned for its well-established development process. We understand a customer's specific needs in detail and then develop a customized solution after thorough R&D at our end. The solution is then tested under varied working environs including extreme conditions to ensure its effectiveness and long-life. Be it for water/ waste water treatment or pumping solutions, the products have always lived up to the expectations of its customers and met their business needs consistently.

Impeccable Processes

To create flawless products, Shakti has structured state-of-the-art production facilities in place. With imported machinery and latest technology managed by highly skilled personnel, Shakti is well equipped to design products as per customer-specific needs. All production sites match the company's ceaseless commitment to deliver the most trusted water treatment solutions in the highly competitive market. The production facilities of Shakti strictly adhere to the environmental standards all around the globe.



Excellence in all aspects

Prompt product delivery and service

Shakti Pumps is synonymous with expertise in product delivery and service. And, also, an uncompromising commitment to Efficiency, Quality and Technology. We have a range of tools that ensure our customers can optimize any chosen water treatment system. The company offers full, transparent collaboration at every stage of the process. Our core competency lies in handling technical backup and service facilities by our wide sales and service network.

Genuine Customer Care

Shakti has the expertise to meet your requirements, the product range to deliver the right solution, and the expert back up to keep you running. Our products undergo grueling testing before they leave the factory. This process is fully documented, which means our customers can be rest assured: they are getting top performing, durable products and solutions that will continue to deliver optimum performance year after year. We also offer extensive, in-depth global training, consultancy and commissioning services. We back all our solutions with full service and support carried out by highly trained and experienced employees. And because we are a global organization, you will always find us close by.



Purifies & Promotes









Besides water treatment solutions, Shakti also seeks to solve issues connected with society and environment. As its CSR initiative, it conducts medical camps in rural areas of Madhya Pradesh (Central India). Through innovative, eco-friendly products and their maintenance, Shakti shows its awareness towards environmental concerns as well. Beyond addressing business needs of its clients worldwide, Shakti is known for its commitment to the well-being of its employees and ensures a healthy, growth promoting work culture.





The water solutions site

- Explore www.shaktipumps.com - the entire range of water industry products by Shakti Pumps.
- You will know which product suits your needs best by using our selection and sizing tool.
- 3D technical drawings, installation manuals and pump documentation are also available for your reference.
- Know more about Shakti Pump Audit and its benefits that save your money.



APPLICATIONS

			Sub application							Technical Data
			Raw water Intake	Feed water or transfer	Pressure Booster	Flushing	Filtering	Re-Use of water	Water transfer	
Pressure Boosting and Water transfer	Vertical Multistage Centrifugal Pumps SCR/SCRI/SCRN Series									Head, H : Max. 322 m Discharge : Max. 2833 LPM Rating : 0.5 HP to 100 HP
	Single Shaft Vertical Multistage Pumps RO Series									Head, H : Max. 149 m Discharge : Max. 80 LPM Rating : 0.5 HP to 3 HP
	Pressure Booster Pumps SH/SHI/SHN Series									Head, H : Max. 58 m Discharge : Max. 233 LPM Rating : 0.5 HP to 3 HP
	Single Stage Monoblock Pumps SMB Series									Head, H : Max. 96 m Discharge : Max. 2600 LPM Rating : 0.5 HP to 25 HP
	Double stage Monoblock Pumps SMB Twin Series									Head, H : Max. 40.0 m Discharge : Max. 532 LPM Rating : 3 HP to 4 HP
	Monoblock & End Suction Pumps SNB Series									Head,H : Max.95 m Discharge : Max. 2600 LPM Rating : 1.5 HP to 30 HP
	Immersible Pumps SMTR Series									Head, H : Max. 230 m Discharge : Max. 140 LPM Rating : 0.5 HP to 7.5 HP
	Hydropneumatic Booster Systems HYPN Series									Head, H : 20 Bar Discharge : Max. 6000 LPM Rating : 60 HP

			Sub application							Technical Data
			Raw water Intake	Feed water or transfer	Pressure Booster	Flushing	Filtering	Re-Use of water	Water transfer	
Ground & Openwell water supply	Submersible Pumps & Motors QF Series									Head, H : Max. 660 m Discharge : Max. 7333 LPM Rating : 0.5 HP to 335 HP
	Horizontal Openwell Submersible Pumps SHOS/SHOC Series									Head, H : 4 m to 30 m Discharge : 30 LPM to 310 LPM Rating : 0.5 HP to 1.5 HP
Wastewater	Sewage Pumps SVX Series									Head, H : Max. 15 m Discharge : 500 LPM Rating : 1 HP to 1.5 HP
	Sewage Pumps SDW Series									Head, H : Max. 5-34 m Discharge : 34 - 3910 LPM Rating : 1 HP to 10 HP

