

SaharaConnect

A Newsletter from Sahara Industry



In this Issue

CEO's Message

Product Innovation

Awards & Honours

Spotlights

Participation in Water Expo

Media Buzz

Drip-Drop, Waste to Stop

Employee Speak

Saving Water



**CEO of Sahara Industry,
Mr. Mohammed Abdul Rahman is the
"Entrepreneur of the Year 2024"**

This recognition highlights the unwavering support of our customers, clients, and all those who has supported his entrepreneurial journey for the past two decades.

Water Message

India is facing a serious water crisis with not enough clean water to cater the demand for drinking and commercial activities, while the quality is further declining with increasing pollution of its water sources. This problem is a major threat to the health of the people, food supply, and the country's economy.

India's water quality is also getting worse due to waste from factories, sewage from homes, and chemicals from farms are released untreated into water bodies. Climate change is making this problem even more complicated by changing rainfall patterns and causing extreme weather event like draught and floods that affects water availability and quality.

In this situation, water treatment becomes very important. Proper water treatment can make water safe to drink, reducing the spread of diseases. It also allows water to be recycled and reused, which helps conserve this precious resource. Treating wastewater before it goes back into nature is crucial for protecting ecosystems and wildlife.

Water treatment is crucial to making sure there is enough water for industrial production, which are vital for India's economy. Sahara Industry being a leading supplier of top quality water treatment products and services, envision a future where cutting-edge technology and sustainable practices revolutionize water treatment.

Our competitive edge in the water treatment industry stems from our pioneering product range of high quality Fiber Reinforced Plastic (FRP) Pressure Vessels, FRP Membrane Housing, High-flow Filtration Systems, Swimming Pool Filtration, Multi-cartridge Filters, and Multi-bag Filters etc.

Addressing India's water crisis and pollution challenges requires urgent and comprehensive action. This includes implementing advanced water treatment solutions, promoting water conservation practices, and developing sustainable water management strategies across all sectors. Only through concerted efforts can India hope to secure its water future and ensure the well-being of its people and industries.

Abdul Rahman Mohammed



Central Pollution Control Board reported that India's 605 rivers are polluted.

INNOVATION

100,000 Litres Per Hour Multi Cartridge Filter Housing

Our pioneer production of 100,000 Litres Per Hour Multi Cartridge Filter Housing has been received good response from industrial clients. It is innovatively designed to accommodate multiple filter cartridges, enabling high-capacity filtration within a single unit. Constructed entirely from FRP material, it boasts excellent anti-corrosion properties, a wide range of chemical compatibility, and resistance to UV radiation and atmospheric oxygen, all while withstanding high operating pressures of up to 10 kg/cm².



Salient Features

- ⊞ Versatile compatibility with chemical
- ⊞ 100% corrosion resistance
- ⊞ Durable FRP construction
- ⊞ Customizable and available in various sizes and configurations
- ⊞ Molded construction for consistent quality
- ⊞ Lightweight and easy to maintain
- ⊞ Quick lock plate closure for convenience
- ⊞ Equipped with a bag hold-down assembly to prevent bypass
- ⊞ Maximum operating pressure: 10 kg/cm²
- ⊞ Maximum operating temperature: up to 60°C
- ⊞ Easy installation and filter change-out for cartridges and bags

This Multi Cartridge Filter Housing is especially beneficial for applications that demand high flow rates in confined spaces, efficiently processing large volumes of water in a compact design. The use of FRP material ensures durability and reliability in harsh environments where metal housings may be prone to corrosion or deterioration.



Rising Bharat Real Heroes Award 2024 The Emerging Water Leader of India



Mr. Mohammed Abdul Rahman, the CEO of Sahara Industry has been honoured with "Rising Bharat Real Heroes Award 2024" as the "Emerging Water Leader of India." This prestigious recognition was bestowed upon him at an award ceremony held in Delhi.

Among India's most valuable awards, it celebrates the accomplishments of business and industry leaders for their significant contributions to the nation. The award was presented to him by the distinguished actress Ms. Hema Malini, Member of Parliament, and Mr. Shyam Jaju, National Vice President of the BJP.





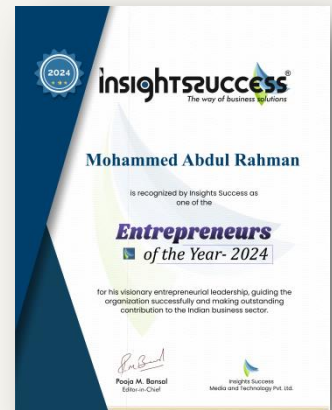
Telangana Water Leadership Award



Mr. Abdul Rahman Mohammed, the CEO of Sahara Industry, has been conferred with the prestigious award, Water Leader: Telangana Leadership Awards. This recognition is a result of his outstanding leadership and significant contributions to water treatment, water quality improvement, water conservation and management, and sustainability. The award's purpose is to identify and champion excellence in tackling water-related challenges, encouraging innovation, and implementing effective treatment solutions.

Entrepreneur of the Year 2024

Our CEO, Mr. Mohammed Abdul Rahman, has been honored with the "Entrepreneur of the Year 2024" certificate by Insights Success Magazine. This prestigious recognition underscores the unwavering support from our customers, clients, and everyone who has been part of his entrepreneurial journey over the past two decades. Sahara Industry extends heartfelt gratitude to all.





In the Spotlight

CII Meeting on Manufacturing and Innovation

The CEO of Sahara Industry took part and represented water sector in a meeting organized by the Confederation of Indian Industry (CII) under the theme "Navigating the Future of Manufacturing and Innovation" at the Indian School of Business (ISB), Hyderabad. It brought together key leaders from various sectors, including Mr. Sai D. Prasad, Executive Director of Bharat Biotech; Mr. V.S. Ram, VP of Manufacturing Operations at Mahindra & Mahindra;



Mr. Gaurav Kataria, VP of Manufacturing at ITC Limited; Mr. S.R. Thiruvengadathan, Partner at Ernst & Young; and Prof. Chandan Chowdhury from ISB. The meeting facilitated a robust discussion on the future of manufacturing and innovation in India, emphasizing the crucial role of collaboration and knowledge-sharing among industry leaders.





In the Spotlight

Hon'ble former MLA Visited our Factory and Manufacturing Facilities

The Hon'ble former MLA of Malkajgiri constituency in Telangana, Mr. Mynampally Hanumanth Rao visited our company's manufacturing facility to observe our operations and manufacturing processes. During his visit, our leadership team provided him with a comprehensive tour of the premises, explaining the company's operations, production techniques, and quality control measures.

Mr. Rao expressed his deep appreciation for our significant contributions to the water treatment industry and our role in generating employment for the local community. He praised the company's commitment to maintaining high-quality standards and adhering to environmental regulations. He also interacted with the workers, encouraging them to continue their dedication to innovative design and production.



"Voyagers of Excellence" at Muffakham Jah College of Engineering & Technology

The CEO of Sahara Industry was the Chief Guest at "Voyagers of Excellence," an event organized by Muffakham Jah College of Engineering & Technology in Hyderabad. The program was well-attended by faculty members and students from various engineering and technology disciplines, including distinguished guests, Dr. Mahipal Singh Rawat, Principal; Dr. Mohammed Viquar, Head of the Mechanical Engineering Department; and Dr. Ishrat Mirzana, R&D Coordinator and Director of 'Engineers Without Boundaries India', among others.

Sahara Industry also signed a Memorandum of Understanding (MoU) with the college. This agreement aims to provide students with guidance and opportunities for industrial visits, further strengthening the collaboration between academia and the industry.



In the Spotlight

Water expo

ACETECH 2024

Sahara Industry took part in the prominent ACETECH 2024 expo, held at the HITEX Exhibition Centre in Hyderabad from January 19 to 21 2024, organized by The Economic Times. The company's creatively designed stall became a focal point for visitors, who were keen to learn more about the diverse range of water treatment systems and equipment on display. The spotlight was particularly on our NSF Certified advanced water filtration systems, which attracted significant attention. Throughout the event, several senior government officials and industry leaders from the water sector visited our stall, showcasing strong interest in our offerings.



Water India Expo

Our company participated in the Water India Expo 2024, held at the Manpho Convention Center in Bengaluru from 27 to 29 June, 2024. Our innovatively designed stall attracted a large number of visitors, who praised the layout and the display of our diverse range of water treatment systems and equipment. The Droplet brand of water filtration systems gathered significant attention. Throughout the exposition, several industry leaders and government officials visited our stall expressing keen interest in our products.




 In the
Spotlight
Water
 expo

Eco-Sustain Expo 2024

Pure water is essential for both human consumption and industrial processes. At the Eco Sustain Expo 2024, held at the HITEX Exhibition Centre in Hyderabad, Sahara Industry showcased its innovative range of water treatment products. These cutting-edge solutions are designed to meet the highest standards of quality and sustainability, addressing the diverse needs of households, businesses, and industries. Our stall attracted a large number of visitors from various sectors, who showed great interest in our advanced water treatment technologies.



Novel strategy proposed for massive water production on the moon

Ningbo Institute of Materials Technology and Engineering (NIMTE) of the Chinese Academy of Sciences (CAS) has recently developed a new method of massive water production through a reaction between lunar regolith and endogenous hydrogen. Research results of lunar explorations have revealed the widespread presence of water on the moon. However, the water content in lunar minerals is extremely low, ranging from 0.0001% to 0.02%. It remains challenging to extract and utilize water on the moon.





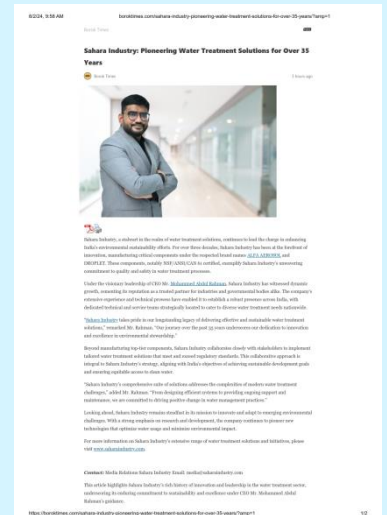
Insights Success, April 2024

Our CEO, Mr. Mohammed Abdul Rahman has been recognized as the "Entrepreneur of the Year 2024." His profile has been prominently featured in the April 2024 edition of Insights Success Magazine having his exclusive photograph published on the cover. This is an acknowledgment of his valuable contribution and leadership in the water industry. He has also been conferred with a Certificate of Distinction.



Borok Times, August 2024

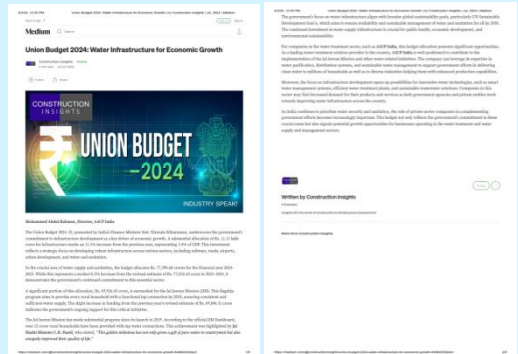
The 'Borok Times', a leading newspaper from Tripura, published an article in its online edition on August 2, 2024, titled "Sahara Industry: Pioneering Water Treatment Solutions for Over 35 Years." The article highlights the company's significant initiatives in the water treatment sector, showcasing its commitment to innovative solutions that address critical water quality challenges. It delves into the company's strategic efforts to develop advanced technologies and sustainable practices, aimed at ensuring the availability of pure water for diverse applications across various industries and communities. Through these initiatives, the company is setting a benchmark in the industry for environmental stewardship and technological excellence.





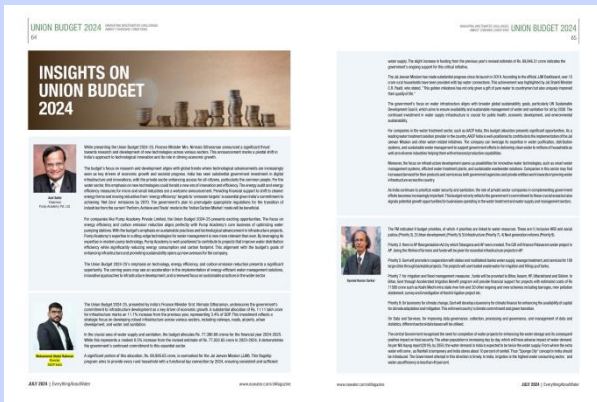
Construction Insights, July 2024

The review of the Union Budget 2024-25 by our CEO, focusing on the country's water challenges and the government's commitment to providing clean drinking water to every household is published in Construction Insights.



Everything About Water, July 2024

The Union Budget 2024-25, presented by India's Finance Minister, Smt. Nirmala Sitharaman in the parliament on 23rd July 2024, emphasizes the nation's water challenges and the government's commitment to providing clean drinking water to every household. In his insightful review, our CEO highlighted the budget's strategic initiatives aimed at addressing water scarcity, enhancing water conservation efforts, and improving water infrastructure across the country.



Everything About Water, June 2024

Our mission is to provide state-of-the-art water and wastewater treatment systems that offer exceptional quality, reliability, and value, while promoting a culture of environmental stewardship that respects and protects natural ecosystems. We aim to create lasting value for our diverse clientele by delivering innovative, reliable, and energy-efficient products. In his interview, our CEO discusses emerging water technology and its future prospects.



BUZZ MEDIA

Everything About Water, April 2024

Water is vital for life on Earth, but unsustainable human activities have led to significant contamination, causing millions of deaths and diseases. In his insightful article, our CEO explores ongoing research and development in innovative water treatment technologies to address current challenges while setting new standards for efficiency and sustainability in water treatment.

WATER TREATMENT: INNOVATIVE TECHNOLOGY

High-Purity Reverse Osmosis (RO) Technology

- Reverse Osmosis (RO) is a water purification process that uses a semi-permeable membrane to remove ions, molecules, and larger particles from drinking water.
- It is widely used in residential, commercial, and industrial settings to produce high-purity water for various applications.
- RO systems typically consist of a pre-filter, a high-pressure pump, a semi-permeable membrane, and a post-filter.

UV Disinfection

- UV disinfection is a water treatment process that uses ultraviolet light to kill or inactivate microorganisms that may be present in drinking water.
- It is a chemical-free and chlorine-free process that is effective against a wide range of pathogens, including bacteria, viruses, and protozoa.
- UV disinfection is often used in conjunction with other water treatment technologies to ensure high water quality.

Membrane Filtration

- Membrane filtration is a water treatment process that uses a semi-permeable membrane to remove contaminants from water.
- It is a physical process that can remove a wide range of contaminants, including suspended solids, bacteria, and viruses.
- Common types of membrane filtration include microfiltration, ultrafiltration, and nanofiltration.

Principle of Ultrasonic Cavitation

Ultrasonic cavitation is a process that uses high-frequency sound waves to create and collapse microscopic bubbles in a liquid. This process can be used for various applications, including water treatment, chemical synthesis, and material processing.

World Water Day: Ensuring Access to Safe Water

Water scarcity is a pressing issue, impacting even the largest economies, while the situation in the poorest nations is particularly terrible. Instead of resorting to power struggles or seeking to dominate shared water resources, the focus should be on promoting cooperation, transparency, and mutual understanding among all stakeholders. This includes riparian nations, local communities, and marginalized groups, ensuring that their perspectives and needs are taken into account in decision-making processes. By prioritizing collaboration

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Construction Insights, March 2024

The World Water Day underscores the imperative that no one should be left behind when it comes to access to water and sanitation on a global scale. Water scarcity is a pressing issue, impacting even the largest economies, while the situation in the poorest nations is particularly terrible. Our CEO shares his views on India's water challenges and potential solutions in his World Water Day message.

Water Age, January 2024

The 2024-25 interim Budget highlights the government's strategic focus on revitalizing infrastructure development in various sectors including railways, metro rail, roads, airports, waterways, urban development, water, and sanitation. The Ministry of Jal Shakti has been allocated ₹98,418 crore for initiatives like the Jal Jeevan Mission, signaling the government's commitment to providing clean drinking water to all households. Our CEO offers a detailed analysis of the budget.

BUDGET 2024: VISION AND DEVELOPMENT PERSPECTIVE

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Since 2013, I have had the privilege of being a part of the Sahara Industry, and I can confidently say that it is certainly an outstanding workplace. The organization fosters a high-energy atmosphere that inspires enthusiasm and passion among employees. The transparent culture and open communication channel build trust and collaboration across teams. The leadership provides strong support, empowering individuals to take ownership and act as entrepreneurs in their respective roles.

~ **Mohammed Afroz, General Manager**



Working at Sahara Industry has been a truly rewarding experience. The management team actively encourages new ideas and is constantly focused on improvement. What sets the company apart is its culture of trust, open communication, and the emphasis on employee autonomy. The freedom to work, act, and think independently has not only made me feel more comfortable but has also significantly contributed to my job satisfaction. The organization's commitment to fostering such an empowering environment is truly commendable.

~ **P. G. Sree Kumar, DGM (Operations)**



Drip Drop Waste to Stop



Bathroom Taps

- 💧 Leaving a tap running wastes water and can waste energy too
- 💧 A running tap uses about 5 litres of water per minute so turn off the tap when brushing your teeth and use a glass for rinsing
- 💧 A dripping tap can waste up to 12,000 litres a year. So if your tap is dripping get it fixed
- 💧 Don't rinse your razor under a running tap. Filling the basin with a little warm water is just as effective and less wasteful.

Kitchen Taps

- 💧 Don't use running water to defrost frozen food.
- 💧 When washing dishes by hand, don't rinse them under a running tap. If you have two sinks, fill the second one with rinsing water. If you have only one sink, stack washed dishes in a dish rack and rinse them with a pan of water.
- 💧 Use washing-up liquid sparingly as this will reduce the amount of rinsing required when washing dishes by hand.
- 💧 Use a plugged sink or a pan of water so that you don't need to run the tap continuously.
- 💧 When cooking vegetables, use enough water to cover them and keep the lid on the saucepan. Your vegetables will boil quicker and it will save you water, power, and preserve precious vitamins in the food.
- 💧 Flow-controlled aerators for taps are inexpensive and can reduce water flow by 50%.

Responsible Water Treatment for a Better Tomorrow



Eco-Friendly Water Purification: Safeguarding Resources, Preserving Life

Our emphasis is on sustainable and environmentally conscious approach to water treatment solution, leveraging innovative technology. We ensure all our products are of the highest quality and offered at an affordable price to meet your needs. We believe in **Quality does not mean paying more.**

Manufactured by



Marketed by



ISO 9001:2015 Company

For more information: www.saharaindustry.com

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scan



Our planet is rapidly losing healthy freshwater bodies and resources, leading to severe consequences for food security, climate change, and biodiversity. This alarming trend threatens the delicate balance of ecosystems, disrupts agricultural productivity, and accelerates the impacts of global warming. As freshwater sources decline, the ripple effects could be catastrophic, undermining efforts to sustain both human and environmental health. ~UN Report

A leaking tap has the potential to waste up to 12,000 litres of quality drinking water per year; not to mention the wasted money on water bill.



Sahara Industry

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