

A three-wheeler to make safe water accessible to all

New Delhi, Feb 15 (India Science Wire): Securing the daily dose of potable water for drinking and cooking for every household can be a challenge in large parts of India. The source of water is often found at significant distances away from habitations, especially in rural areas. To deliver safe drinking water at peoples' doorsteps, JanaJal WOW (Water on Wheels), an IoT-based proprietary technology solution three-wheeler developed by Noida-based JanaJal has been recommended by the Ministry of Jal Shakti. It is one of five technologies to deliver the \$50 Billion drinking water scheme under the National Jal Jeevan Mission.

Dr. Parag Agarwal, Founder & CEO of JanaJal said, "It is a unique innovation that provides the much-desired mobility for the last-metre delivery of safe water upto the doorstep of households. We feel confident of being able to roll out thousands of JanaJal WOWs in India over the next couple of years." The Union Budget 2021-22 has recently announced Jal Jeevan Mission (Urban) to bring safe water to 2.86 crore households through tap connection through an outlay of Rs 2.87 lakh crores over next 5 years highlighting the importance of safe water delivery to every household.



The JanaJal WOW has a water tank capacity of 600 litres. It is intended to deliver upto 2500 litres of safe water to people's homes every day. Every JanaJal WOW uses technology to guard against any unauthorized refilling of water thus ensuring delivery of safe drinking water according to BIS and World Health Organisation (WHO) standards. The company has developed JJSUITE, a unified technology platform supported by proprietary IOT controllers and sensors that help manage every water plant and installation remotely in real-time.

DrAgarwal said "JanaJal WOW is a completely tech-managed, GPS-monitored, battery-operated, secure three-wheeler with zero carbon emissions. It mitigates the need for increased accessibility and reach by creating a 'hub and spoke' delivery model deep inside communities. We look forward to playing a crucial role in the 'HarGharJal' mission of the Indian Government that aims to make safe drinking water available to every household by 2024. The widespread adoption of JanaJal WOW would also support the Government's push to popularize the use of clean fuels in India and reduce our dependence on fossil fuels."

JanaJal WOW functions like a mobile water ATM that has the capacity to penetrate deeper into communities for home-delivery of safer drinking water. JanaJal water ATMs are spread across Delhi-NCR, Uttar Pradesh, Maharashtra and Gujarat and till now have dispensed over 100 million liters of safe drinking water to people, eliminated 25 million single-use plastic bottles and helped conserve over 50 million litres of water. (India Science Wire)

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