MANIPAL UNIVERSITY
JAIPUR
(University under Section 2(f) of the UGC Act)

Manipal University Jaipur's Commitment to Minimizing Water Use through Sustainable Building Standards

Manipal University Jaipur (MUJ) is deeply committed to environmental sustainability, and a key aspect of this commitment is the responsible use and conservation of water. As part of its efforts to reduce environmental impact, MUJ has adopted building standards that prioritize the efficient use of water, ensuring that campus infrastructure is designed and operated with sustainability in mind.

MUJ's sustainable building practices include the installation of water-efficient fixtures such as low-flow taps, showers, and toilets in all new and existing buildings. These systems significantly reduce water consumption without compromising functionality, helping to conserve one of the most critical natural resources. In addition, the university incorporates advanced irrigation systems in its landscaping, which use minimal water while maintaining the greenery on campus. Drip irrigation and rainwater harvesting systems further contribute to efficient water use, capturing rainwater for reuse in irrigation and other non-potable applications. Rainwater harvesting systems are a central feature of MUJ's water conservation strategy.

By adopting these water-saving building standards and technologies, Manipal University Jaipur demonstrates its leadership in sustainability and environmental responsibility. The university's proactive approach to water conservation not only minimizes its ecological footprint but also serves as a model for students and the broader community, encouraging sustainable practices that can be applied beyond the campus.

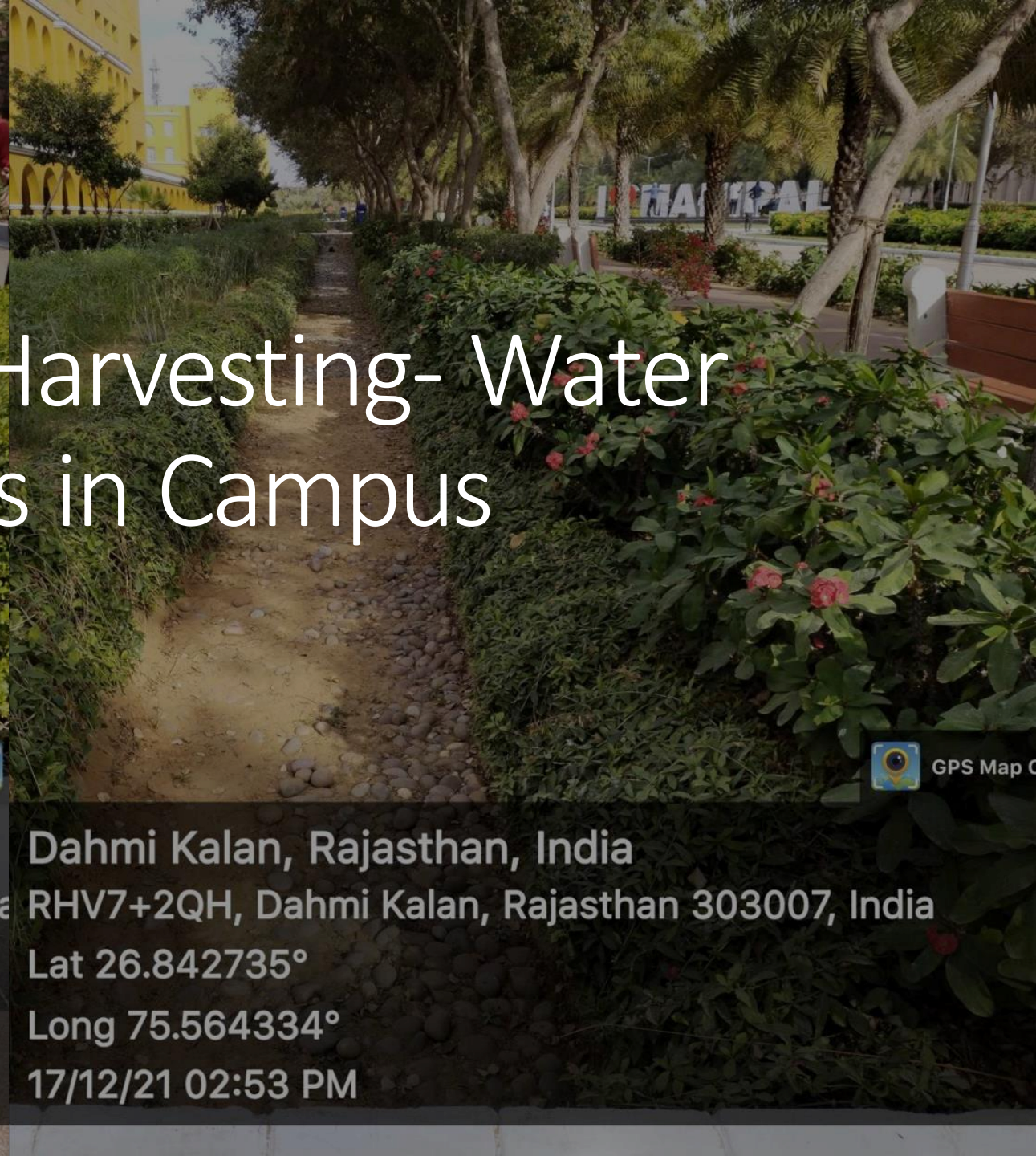
By collecting and storing rainwater from rooftops and other surfaces, the university ensures a sustainable water source for landscaping, reducing reliance on municipal water supplies and contributing to groundwater recharge. MUJ implements wastewater recycling systems, where greywater from residential and academic buildings is treated and reused for purposes such as gardening and cleaning. This practice not only reduces water waste but also helps in maintaining the campus's aesthetic without overburdening natural water resources.

Water Conservation Facility at MUJ Campus:Through Rain Water Harvesting

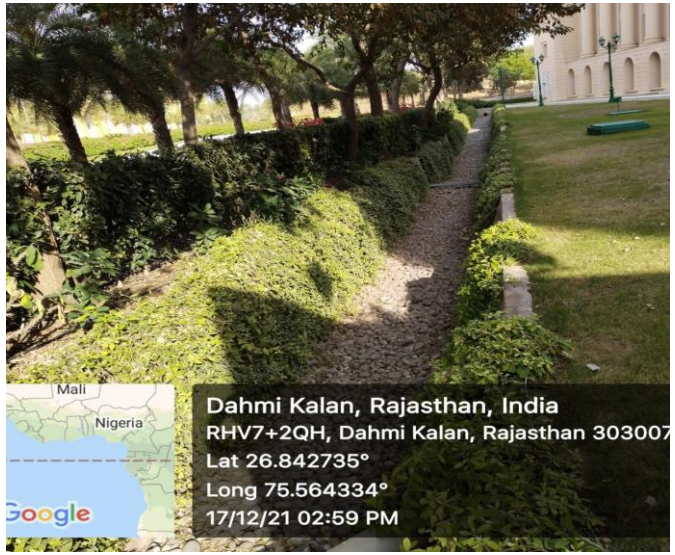
USAGE OF RECYCLE WATER

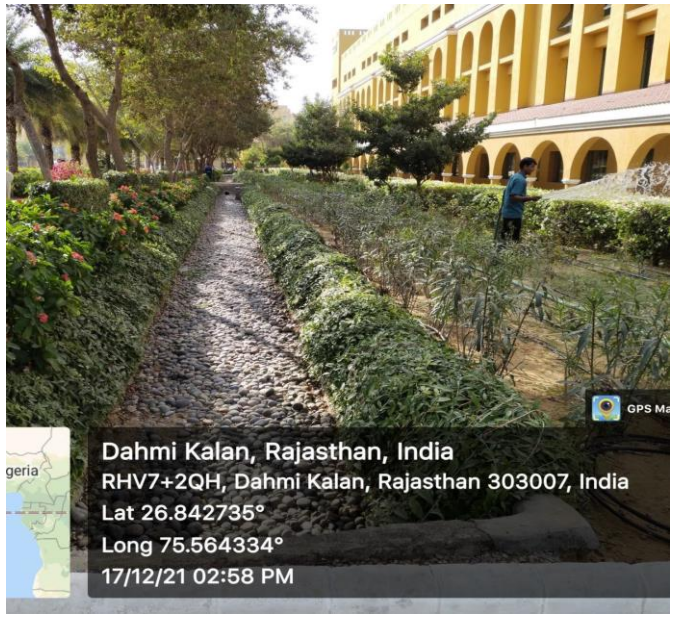
- Zero Water Discharge Campus (Water Recycling)
- Sludge From STP Used As Manure For Landscaping. Reusing the debris waste for the pathways and road areas base compaction
- Vehicle Washing
- Gardening and Horticulture

Rainwater Harvesting- Water Canals in Campus

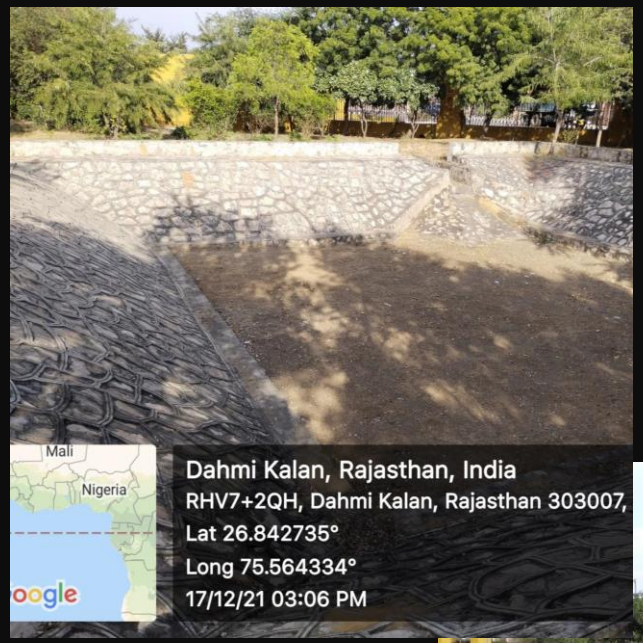


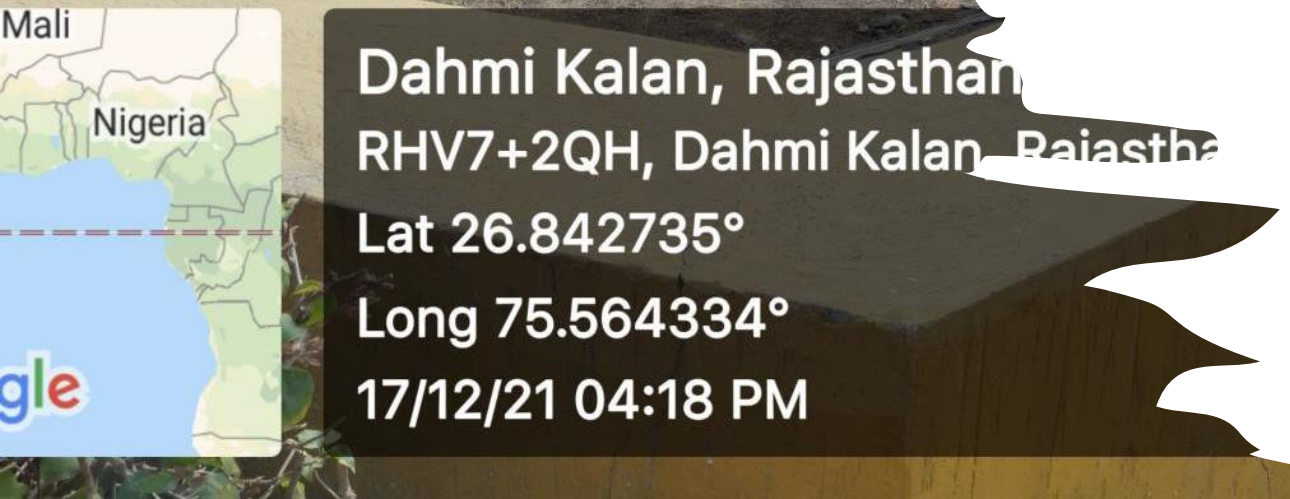
More than 14 KM of Water Canals in University for Water Harvesting



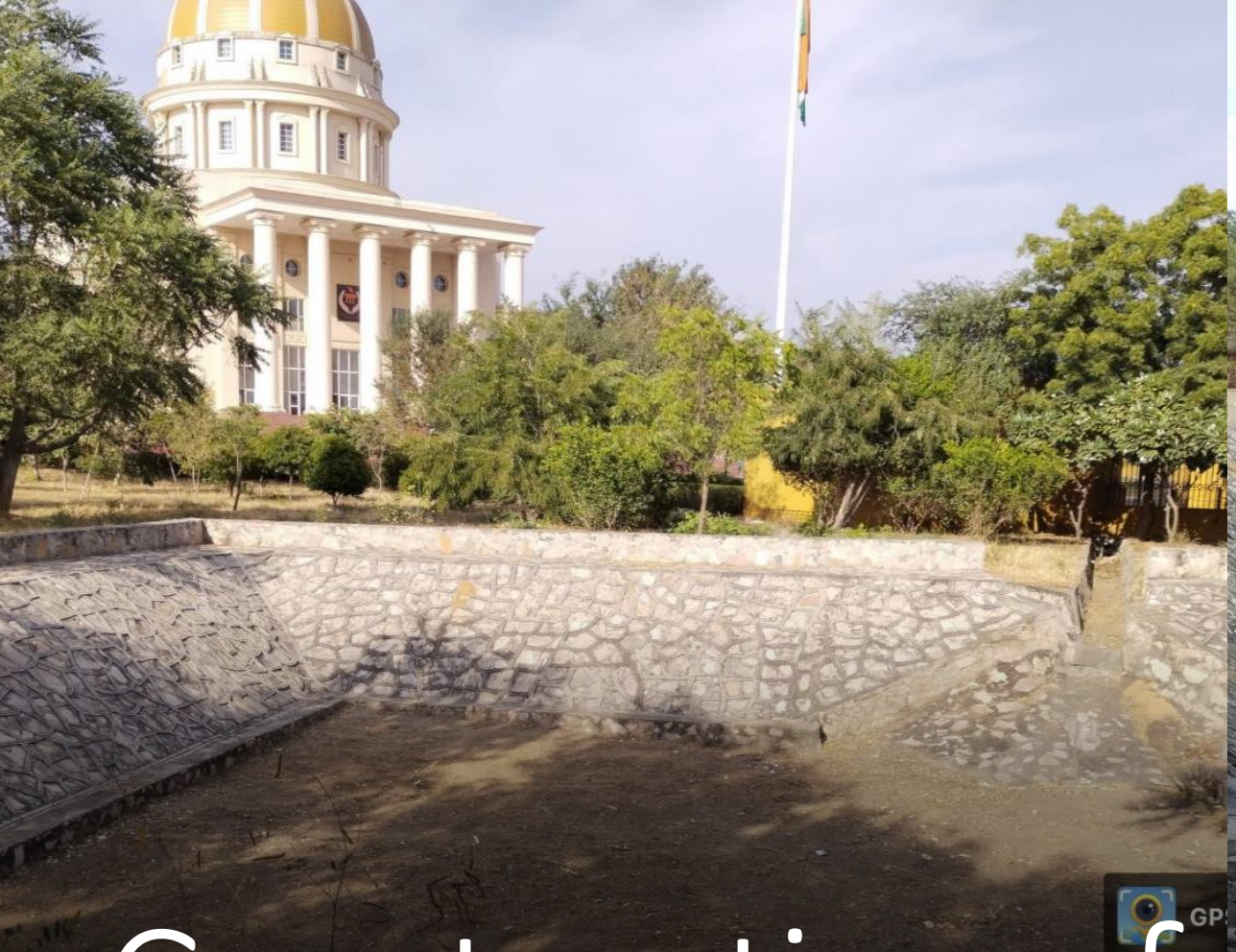


Peon Well Recharges Through Ponds



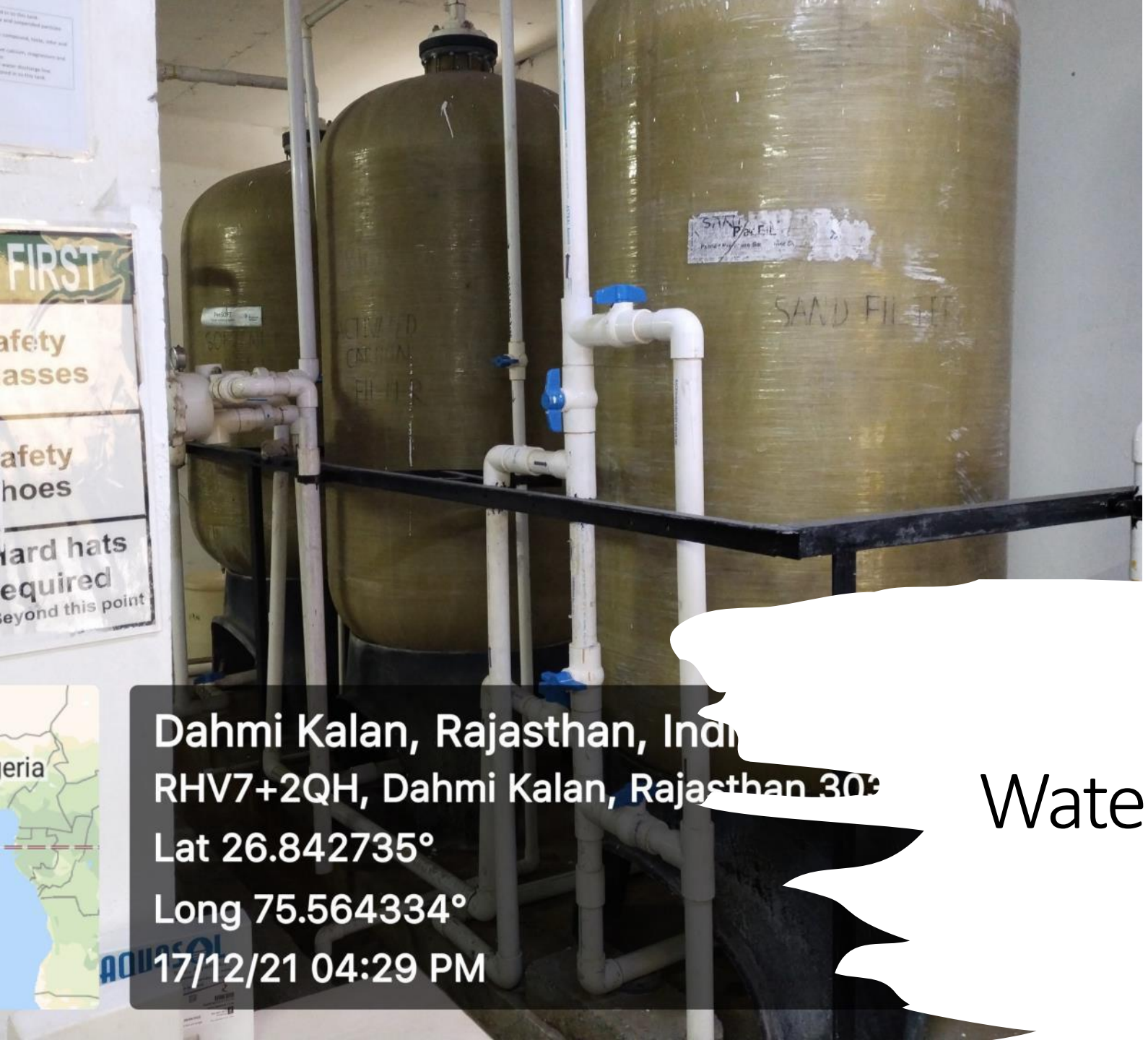


Construction of Ponds



Construction of Ponds

Water Gathered in the Pond During the Process of Rain Water Harvesting



Water Treatment Plants

Water Treatment Plants

Water Distribution System