THE - Impact Rankings 2026

6.5.3 Sustainable Water Extraction on Campus

Source of water

The source of raw water is Bore wells. 24 Bore wells are located at different areas of the campus. The water from bore wells are collected on to a tank and the water is filtered for bathing and drinking purposes. In addition, there are 12 rain water harvesting units located throughout the campus. This includes check dams, percolation ponds, bore and open well discharges etc. The land cover of KARE is 163 acres, hence an annual rainfall of approximately 5.4 lakh m^3/year of water recharges the borewell.

The NSS Volunteers of our university have de-silted the ponds of the nearby adopted villages for sustainable water extraction. So, during the rainy season water can be stored in the pond for the sustainable use which will promote the ground water level. There are ponds and check dams within the campus to store the rainwater. There are provisions in each building of the university for rainwater harvesting. This rainwater harvesting is helpful to recharge the groundwater level. This facilitates the sustainable use of rainwater.

https://www.kalasalingam.ac.in/wp-content/uploads/2021/11/Water-Conservation-Policy.pdf

Open Well

Open Pond

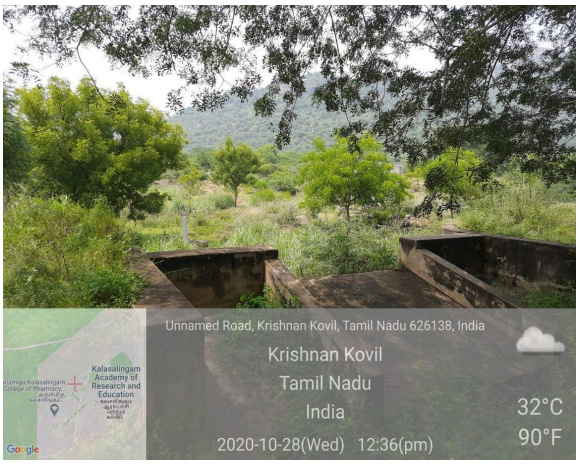


Figure:1 Location of Dam for water absorption and storage within the KARE campus

Rain water Storage:

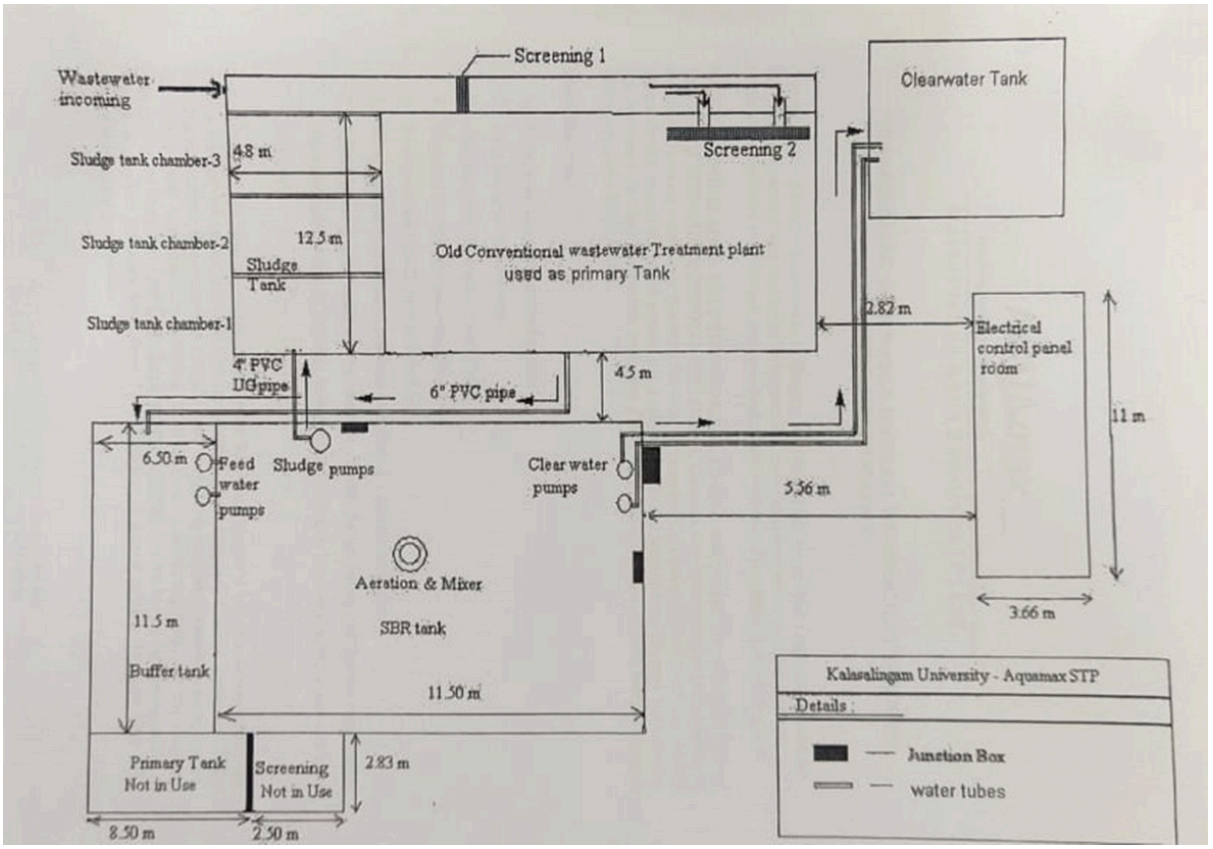
The institution has a huge area for water absorption during the rainfall. The rainwater is also stored in the check dam and percolation pond. Due to this facility the groundwater level within the campus has increased. Rainwater harvesting facility is also provided in each building so as to harvest the rainwater and store them for a long period.

Figure:2 Rainwater Harvesting System

Figure:3 Recharge Trenches

Figure:4 Recharging Percolation Ponds

Figure:5 Sewage Treatment Plant inside the KARE Campus (500 Kiloliter per day)



Engineering Block STP-Sewage Treatment Plant

KALASALINGAM
ACADEMY OF RESEARCH AND EDUCATION
(DEEMED TO BE UNIVERSITY)

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