Water at RUTS: Sources, Consumption and Monitoring in 2025

Rajamangala University of Technology Srivijaya (RUTS) systematically monitors and records water consumption across its five main operational areas: Songkhla, Sai Yai, Thung Yai, Khanom, and Trang. Water consumption varies across these areas depending on campus infrastructure, academic and research activities, facility types, local climate, and the number of students and staff.

During the reporting period from 1 January to 31 December 2025, the University recorded a total water consumption of 626,008 cubic meters (m³), comprising 580,493 m³ (92.73%) from the mains water supply and 45,515 m³ (7.27%) from natural water sources.

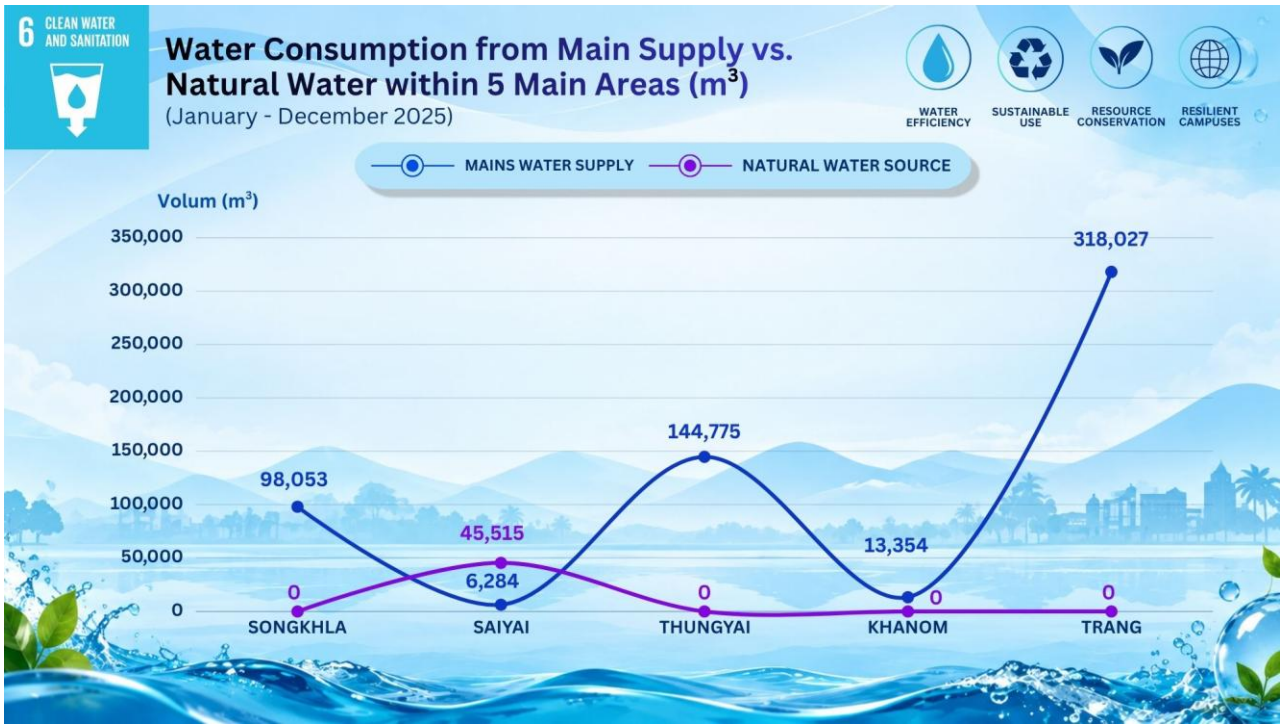


Figure 1. Water Consumption from Main Supply vs. Natural Water within 5 Main Areas (m^3)

With a total university population of 18,180 people, including 16,748 students and 1,432 academic and support staff, the annual water consumption averaged 34.43 m³ per person, equivalent to approximately 94.34 liters per person per day. These figures provide an overview of water use in relation to the University's population and serve as a reference for monitoring consumption patterns over time.

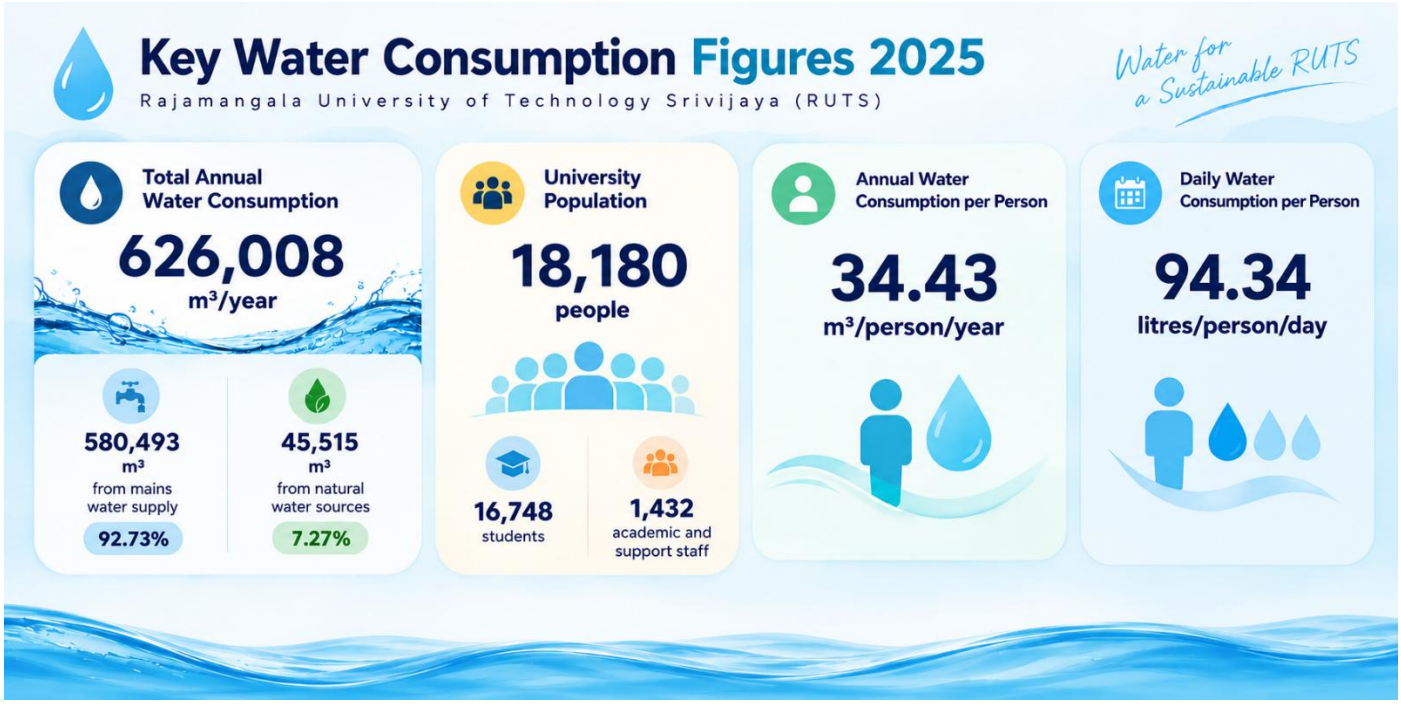


Figure 2. Key Water Consumption Figures 2025



Month	The Use of Water			
	(m^3)	(Liters)	(L./person)	(L./person/day)
January	48,135	48,135,000	2,647.69	85.41
February	37,170	37,170,000	2,044.55	73.02
March	59,507	59,507,000	3,273.21	105.59
April	49,849	49,849,000	2,741.97	91.40
May	49,594	49,594,000	2,727.94	88.00
June	53,954	53,954,000	2,967.77	98.93
July	56,390	56,390,000	3,101.76	100.06
August	58,847	58,847,000	3,236.91	104.42
September	59,969	59,969,000	3,298.62	109.95
October	55,201	55,201,000	3,036.36	97.95
November	49,399	49,399,000	2,717.22	90.57
December	47,993	47,993,000	2,639.88	85.16
Total	626,008	626,008,000	34,433.88	94.34
Total number of regular students (person)				16,748
Total number of academic and supporting staff (person)				1,432
Total number				18,180

Figure 3. The Use of Water in the Year 2025

Water is used throughout the University for a wide range of academic, administrative, and operational activities. The main areas of water use include academic buildings and laboratories, where water is required for teaching, research, experiments, equipment cleaning, and sanitation; dining halls and cafeterias, which use water for food preparation, cooking, and cleaning; and restrooms and sanitation facilities serving students, staff, and visitors. Water is also used for landscaping and irrigation, including the maintenance of gardens, lawns, and sports fields, as well as for cleaning and daily operations in sports and recreational facilities. In addition, Trang Campus has specialized aquarium and aquatic animal facilities that require water for aquatic animal care, maintaining water quality, cleaning tanks, and supporting practical training and educational activities.

Water consumption from the mains supply is measured using standardized water meters operated by the Provincial Waterworks Authority (PWA) serving the University's five operational areas. The University collects and compiles water consumption data monthly, with records categorized by operational area and water source. The General Affairs Division responsible for each operational area serves as the central coordinating unit for collecting, reviewing, and verifying water consumption records and supporting documentation, including water bills, meter readings, and available records relating to natural water sources.





These records provide an overview of water consumption across the University and allow RUTS to monitor monthly and annual water use, identify variations in demand, and maintain consistent and traceable data for institutional reporting. The University's water consumption monitoring system supports the documentation and assessment of water use under Sustainable Development Goal 6 (Clean Water and Sanitation), particularly Indicators 6.2.1 – Water Consumption Tracking and 6.2.2 – Water Consumption per Person.

Related Links/Supporting Evidence:

The number of students in 2025
https://sis.rmutsv.ac.th/regInfo2019/statistic/report/xlsallStatisticSDG.php

The number of staff in 2025
https://personnel.rmutsv.ac.th/ruts/wp-content/uploads/2026/04/12_30_%E0%B8%98%E0%B8%84_2568.pdf

RUTS Report on Water Consumption and Monitoring in 2025
https://general.rmutsv.ac.th/ruts/wp-content/uploads/2026/11/%E0%B8%A3%E0%B8%B2%E0%B8%A2%E0%B8%87%E0%B8%B2%E0%B8%99%E0%B8%81%E0%B8%B2%E0%B8%A3%E0%B9%83%E0%B8%8A%E0%B9%89%E0%B8%99%E0%B9%89%E0%B8%B3-2025-2568.pdf