

6.4.2 b - Policy to maximise water reuse across the university (Water Consumption Details)

Water Consumption Details

- ❖ B.S Abdur Rahman Crescent Institute of science and technology is one of the pioneers in implementing solutions to save water. The Institute practice a systematic procedure for measurement of reuse of the water across the university
- ❖ Initially the water consumption by various occupants is calculated and it is given below

Sl. No	Water Consumption / Day	Occupancy in Nos	consumption/day in liters
	Occupants		
1	College Student day scholars 45 lit/day @ 70% usage	3700	116550
2	Ladies Hostel 125 lit/day	470	58750
3	Men's Hostel 125 lit/day	1400	175000
4	Miscellaneous (1)College/ staff 45 lit/day	400	18000
	(2)Estate office staff 30lit/day	350	10500
	(3) General workers	280	8400
	(4) Kitchen and canteen	50	10000
5	Quarters 125lit/day	400	50000
		7050	447200
6	Floating @ 5%	7403	10575
	Total water consumption/day in liters		4,57,775
	Avg water consumption per capita/day		62

- ❖ The wastewater generated from the STP is also measured and it is approximately 4,05,000 L .
- ❖ The quantity of the wastewater treated is assessed (3,44,000 L) and around 85% of the treated water is stored in the sump
- ❖ From this around 1,35,000L of treated effluent is used for the toilet flushing
- ❖ Around 1,59000 L of treated water is used for landscaping and 50,000 L is used for building maintenance

. LOCATIONS



MEASUREMENT FOR WATER REUSE

- ❖ 1,59000 L of treated water is used for landscaping



- ❖ 1,35,000L of treated effluent is used for the toilet flushing



- ❖ 50,000 L is used for building maintenance