

## **6.3.3 b - Free drinking water for students, staff and visitors (Water Treatment Plant)**

## WATER TREATMENT PLANT

B.S.Abdur Rahman Crescent Institute of Science and Technology provides free drinking water for staff, students and visitors. It also ensures that the drinking water is of good quality and meet the standards. For this purpose the Institute has established water treatment plant in the campus. The details are given below

There are 5 Water Treatment plants installed at various places in the campus to treat the water before use in toilets, quarters, Men's Hostel & Ladies hostel.

The capacity and quantity of water treated by each plant is tabled below.

S.NO	LOCATION	CAPACITY	WORKING HOURS	REMARKS
1	New staff Quarters	5m <sup>3</sup> /hr	10	Commissioned in Apr -2016
2	New ladies hostel	5m <sup>3</sup> /hr	12	Commissioned in Aug -2016
3	Men's hostel service block	10m <sup>3</sup> /hr	18	Commissioned in Aug -2016
4	VC Villa	1m <sup>3</sup> /hr	4	Commissioned in Jan -2017
5	Life Science block	5m <sup>3</sup> /hr	8	Commissioned in Aug -2017
<b>Total Treated Water</b>		<b>3,35,000Liters per day</b>		



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The water consumption details are 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
		<b>7050</b>	447200
6	Floating @ 5%	<b>7403</b>	10575
	Total water consumption/day in liters		<b>4,57,775</b>
	<b>Avg water consumption per capita/day</b>		<b>62</b>