

SUSTAINABLE DEVELOPMENT GOALS

6. CLEAN WATER AND SANITATION



6.2 Water consumption per person

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6.2 Water consumption per person

6.2.1 Measure the total volume of water used in the university that taken from mains supply, desalinated, or extracted from rivers, lakes, or aquifers?

On campus, the water supply is managed through four borewells that provide the necessary water to meet daily consumption needs. The in-charge person, carefully monitors and manages the operations to ensure that water is supplied efficiently to various areas such as hostels, academic buildings and canteen. This demand fluctuates depending on various factors, including the number of people on campus, the weather, and specific needs from the RO plants for purified water. The following tank filled data represent the water usage by the campus population for the academic year 2022-23.

Tank Location : *Main Building*
 Tank capacity : *25,000 Lt*
 Academic year : *2022-23*

Number of times tank filled

Month/Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
June	2	3	2	2	2	3	4	3	3	3	2	2	3	3	1	3	2	1	1	3	2	3	2	3	1	1	3	2	2	2	3	
July	3	2	2	3	2	3	3	3	2	1	3	3	3	2	3	2	1	3	3	2	3	2	2	1	3	3	2	1	3	2	1	
August	3	2	3	2	3	2	1	3	2	3	2	3	2	1	2	2	2	3	2	1	3	2	3	2	3	2	3	2	1	3	2	
September	3	2	3	1	3	3	3	2	2	1	3	3	3	3	3	2	1	3	3	2	3	3	2	1	3	2	3	2	1	3	2	
October	2	2	4	3	4	4	3	2	3	4	4	3	3	3	3	3	3	3	3	3	3	2	2	1	1	1	2	3	3	3	3	
November	2	2	3	2	2	2	3	2	2	3	2	2	2	3	2	2	1	2	2	2	2	2	2	1	1	2	2	1	3	3	3	
December	2	3	2	2	3	3	2	3	1	3	2	3	3	3	3	2	2	3	2	1	2	2	2	2	2	2	2	1	2	2	3	2
January	2	3	3	3	3	3	3	3	2	2	1	3	3	3	2	2	2	1	3	3	3	2	2	3	3	3	3	3	2	2	3	2
February	3	3	3	3	2	3	3	3	2	2	2	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	2	3	3	3	3	3
March	3	3	3	2	3	3	3	3	3	2	2	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	2	3	3	3	3	3
April	2	2	2	3	2	2	1	2	2	3	2	1	3	2	2	3	2	2	3	1	2	1	2	1	2	2	3	2	3	2	1	2
May	2	2	2	3	2	2	2	2	2	2	2	2	3	2	2	3	2	2	3	1	2	2	2	2	2	2	2	2	2	2	1	2

Total times tank filled = 877

Staff in-charge: *C. Das* Total litres used = *21,925,000 Lt* (2022-23)

Supervisor: *[Signature]*

June : 69 (1725000) February : 76 (1900000)
 July : 72 (1800000) March : 86 (2150,000)
 August : 72 (1800000) April : 63 (1575000)
 September : 74 (1850000) May : 67 (1675000) tank
 October : 85 (2125000) 877 times filled.
 November : 62 (1550000) A
 December : 72 (1800000)
 January : 79 (1975000)



CHENNAI INSTITUTE OF TECHNOLOGY
(Degree Engineering Academy established)
Sembelipalayam, Vandalur Taluk, Chennai - 600096, Tamil Nadu, India.



Tank Location : Main building.
Tank capacity : 2000 LT $\times 10$
Academic year : 2022-23

Number of times tank filled

Month/Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
June	5	5	5	3	2	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	5	5		
July	5	2	2	5	5	5	5	2	2	5	5	5	5	5	2	2	5	5	5	5	5	2	3	5	5	5	5	5	3	3	
August	5	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	5
September	5	5	3	2	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	5	5	5		
October	3	2	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	3	2	5	5	5	5	
November	5	5	5	5	3	2	5	2	5	5	5	2	2	5	3	5	5	5	3	2	5	2	5	5	5	3	2	5	5	5	
December	5	5	2	3	5	5	5	5	2	3	5	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	5	5	5	5	
January	3	5	5	5	5	3	2	5	5	3	2	5	4	2	2	5	5	5	3	2	5	5	5	5	5	5	5	3	2	5	5
February	5	5	5	3	2	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5				
March	5	5	5	3	2	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	5	5	5	3	2	5	5	4	4	4	
April	3	3	2	3	2	3	3	2	3	3	2	3	2	2	3	2	2	3	2	3	2	2	3	2	2	3	2	2	3	3	2
May	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	2	3	2	2	2	3	3	3	3	3	2	3	3	3	

Total times tank filled: 1441 (in year 2022-23)

Staff In-charge: C. Dagg Total Litres used: 2,882,000 Lt.

June - 130 (260,000) January - 126 (252,000)
 July - 128 (256,000) February - 120 (240,000)
 August - 135 (270,000) March - 132 (264,000)
 September - 125 (250,000) April - 74 (148,000)
 October - 130 (260,000) May - 84 (168,000)
 November - 122 (244,000)
 December - 135 (270,000) 1441

D. Dagg
Supervisor

Tank Location : *Kaveri hostel*

Tank capacity : *30,000*

Academic year : *2022-23*

Number of times tank filled

Month/Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
June																																
July	5	5	5	3	4	4	4	3	5	5	4	4	5	3	4	4	3	4	3	3	4	5	4	4	3	3	5	5	4	4	4	
August	5	4	4	5	5	5	5	4	3	5	5	5	5	5	4	3	5	5	5	5	5	5	5	5	5	5	5	5	4	5	3	
September	5	5	5	5	4	3	4	5	5	5	5	4	3	4	5	5	5	5	4	3	5	5	5	5	5	4	3	5	5	5	4	
October	5	5	4	3	5	5	5	5	5	4	3	5	5	5	5	5	4	3	5	5	5	5	5	4	3	5	5	5	5	5	4	
November	4	3	5	5	5	5	4	3	5	5	5	5	5	4	3	5	5	5	5	5	5	4	3	5	4	4	5	5	5	5	4	
December	5	5	5	5	4	5	5	5	5	5	4	5	5	5	3	5	5	4	3	5	3	5	5	5	4	3	5	5	5	5	4	
January	5	5	4	3	3	4	4	5	3	4	4	5	3	5	5	4	3	3	5	5	5	4	4	3	4	5	5	5	4	5	4	
February	5	5	5	5	5	4	3	5	5	5	5	4	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	4	
March	5	5	5	4	3	5	5	5	5	4	3	5	5	5	5	4	3	5	5	5	5	5	4	3	5	5	5	5	5	5	4	
April	5	5	5	4	3	5	5	5	5	4	3	5	5	5	5	4	3	5	5	5	5	5	4	3	5	5	5	5	5	5	4	
May	4	3	4	3	4	3	4	3	3	3	3	2	3	4	3	2	4	3	2	4	3	2	4	4	3	4	2	3	2	2	4	4
	4	3	4	3	4	4	3	4	3	3	3	2	3	2	3	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Number of times tank filled } = 1553.
In Ac. year 2022-23

Total litres used = 46,590,000

Staff In-charge : *C. Das*

- June : 121 (36,30,000)
- July : 146 (43,80,000)
- Aug : 141 (42,30,000)
- Sep : 138 (41,40,000)
- Oct : 144 (43,20,000)
- Nov : 138 (41,40,000)
- Dec : 130 (39,00,000)
- Jan : 148 (44,40,000)
- Feb : 128 (38,40,000)
- Mar : 143 (42,90,000)
- April : 97 (29,10,000)
- May : 82 (24,60,000)

1553

Das
Supervisor

LT

Tank Location : Kaveri hostel

Tank capacity : 2000 Lt RO

Academic year : 2022-23

Number of times tank filled

Month/Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
June		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
July		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
August		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
September		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
October		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
November		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
December		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
January		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
February		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
March		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
April		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
May		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Number of times tank filled = 306

Staff In-charge : C. Das

Total litres used = 612,000

- June : 27 54,000
- July : 27 54,000
- August : 27 54,000
- September : 29 58,000
- October : 28 56,000
- November : 29 58,000
- December : 29 58,000
- January : 27 54,000
- February : 27 54,000
- March : 26 52,000
- April : 15 30,000
- May : 15 30,000

C. Das
Supervisor

306

Tank Location : Boys HOSTEL-OLD

Tank capacity : 30,000

Academic year : 2022-2023

Number of times tank filled

Month/Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
June	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3
July	3	2	1	3	3	3	3	3	2	1	3	3	3	2	3	2	1	3	2	3	3	2	2	2	3	3	3	3	2	1	3
August	3	3	3	3	3	2	1	3	3	3	3	3	2	1	1	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	2
September	3	3	2	1	3	3	3	3	3	2	3	3	3	3	3	2	1	3	3	3	3	3	2	3	3	3	3	3	2	1	3
October	2	1	3	3	2	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3
November	3	3	3	2	1	3	3	3	3	2	1	3	3	3	3	2	1	3	3	3	3	2	1	3	3	3	3	2	3	3	3
December	3	3	1	2	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	3	1	3	3	3	3	3	2
January	1	3	3	3	3	3	2	1	3	3	3	3	3	-	-	-	-	-	3	3	2	2	3	3	3	3	3	2	1	3	3
February	3	3	3	2	1	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3				
March	3	3	3	2	1	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	3
April	2	1	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1		
May	3	3	3	3	3	2	1	3	3	3	3	2	1	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3		

Number of times tanks filled in the academic year 22-23 } = 923

Total litres used = 27,699,000

Staff In-charge: 

Jun - 78 (234000lt)

July - 76 (228000lt) Jan - 68 2040000

August - 78 (234000lt) Feb - 72 2160000

Sep' - 79 (2370000lt) Mar' - 82 2460000

Oct' - 76 (2280000lt) Apr' - 79 2160000

Nov' - 80 (2400000lt) May - 81 2430000

Dec' - 81 2430000 923


Supervisor

Tank Location : BOYS HOSTEL - NEW
Tank capacity : 30,000
Academic year : 2022-23

Number of times tank filled

Month/Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
June	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3
July	3	2	1	3	3	3	3	3	2	1	3	3	3	2	3	2	1	3	2	3	3	2	2	2	3	3	3	3	2	1	3
August	3	3	3	3	3	2	1	3	3	3	3	3	2	1	1	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	2
September	3	3	2	1	3	3	3	3	3	2	3	3	3	3	3	2	1	3	3	3	3	3	2	3	3	3	3	3	2	1	1
October	2	1	3	3	2	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	3	2	1	3
November	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	3	3	3	3	3	3
December	3	3	1	2	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	3	1	3	3	3	3	3	2
January	1	3	3	3	3	3	2	1	3	3	3	3	3	3	3	3	3	3	3	3	2	1	3	3	3	3	3	3	1	2	3
February	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	3	2	1	3	3	3	3	2	1	3	3	3	3	3
March	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	2
April	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	3	3	3	2	1	3	3	3	3	3
May	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	3	2	1	3	3	3	3	2	1	3	3	3	3

No of times tanks filled in the academic year 2022-2023 } = 926

Staff In-charge: 

Total litres used = 27,789,000 litres

Jun' - 78
Jul' - 76
Aug' - 78
Sep' - 79
Oct' - 77
Nov' - 81
Dec' - 81

Jan' - 67
Feb' - 72
Mar' - 80
Apr' - 78
May' - 79
926


Supervisor

Jun = 2,340,000
Jul = 2,280,000
Aug = 2,340,000
Sep = 2,370,000
Oct = 2,310,000
Nov = 2,430,000
Dec = 2,430,000
Jan = 2,010,000
Feb = 2,160,000
Mar = 2,400,000
Apr = 2,340,000
May = 2,370,000

Tank Location : RO Boys Hostel
Tank capacity : 3,000
Academic year : 2022-2023


Number of times tank filled

Month/Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
June	1	1	1	-	-	1	1	1	1	1	-	-	1	1	1	1	1	-	1	1	1	1	1	1	0	1	1	1	1	1	
July	1	-	-	1	1	1	1	1	-	-	1	1	1	1	1	-	-	1	1	1	1	1	-	-	1	1	1	1	1	1	
August	1	1	1	1	1	1	-	1	1	1	1	1	1	0	0	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	
September	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	
October	1	0	1	1	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1
November	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1
December	1	1	1	0	1	1	1	1	1	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	
January	0	1	1	1	1	1	0	1	1	1	1	1	0	0	0	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	
February	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1
March	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	
April	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0
May	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0

No of times tanks filled in the academic year 22-23 = 297

Total litres Used = 297 x 3000

891,000


Staff In-charge: 

Jun' - 24
Jul' - 22
Aug' - 25
Sep' - 26
Oct' - 23
Nov' - 23
Dec' - 25

Jan' - 23
Feb' - 24
Mar' - 28
Apr' - 28
May' - 27

297

June : 72,000
July : 66,000
Aug : 75,000
Sep : 78,000
Oct : 69,000
Nov : 69,000
Dec : 75,000
Jan : 69,000

Supervisor 
Feb : 72,000
Mar : 84,000
Apr : 84,000
May : 81,000

Tank Location : CANTEEN MESS
Tank capacity : 3000 **ROI**
Academic year : 2022-2023

Number of times tank filled

Month/Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
June	1	1	1			1	1	1	1				1	1	1	1	1			1	1	1	1				1	1	1		
July	1	-	-	1	1	1	1				1	1	1	1	1			1	1	1	1				1	1	1	1	-	-	
August	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	-	1	1	1	1	-	1	1	1	1	1	1	-	1	1	
September	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
October	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
November	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
December	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
January	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
February	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
March	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
April	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
May	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

No of times tanks filled in the academic year 2022-23 = 297

Staff In-charge : **AA**

Total litres used = 297 x 3000
= 891000

Jun' - 22
Jul' - 23
Aug' - 27
Sep' - 26
Oct' - 23
Nov' - 26
Dec' - 27

Jan' - 23 June = 66,000
Feb' - 24 Jul = 69,000
Mar' - 27 Aug = 81,000
Apr' - 24 Sep = 78,000
May' - 25 Oct = 69,000
 Nov = 78,000
 Dec = 81,000
 297

Supervisor

Jan = 69,000
Feb = 72,000
Mar = 81,000
Apr = 72,000
May = 75,000

In the Academic year 2022-23, total
water usage inside the campus was
1,29,261,000 L

The institution has planned to avoid water wastage
(if any) by continuous monitoring.

6.2.2 Water consumption per person

Academic year : 2022-23

Volume of water usage inside the campus per year : 129,261,000 lt

Campus population : 4032

Water consumption per person : 32,059 lt

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