

WATER AUDIT REPORT 2021



ALPHONSA COLLEGE PALA
ARUNAPURAM P.O., PALA 686 574

Submitted By

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INTRODUCTION

Water is an essential part of life and vital for sustainability. Evidently, without water, the entire planet would perish. In other words, the human race would not last in a world without water. For all animals and plants, the same is true. India is the biggest user of ground water; still half of India is facing drinking water crisis. In India, the piped water coverage has remained stagnant over the past two decades at 44%, with as much as 40 per cent of the water being lost due to leaking pipes. Though the leakage is minor, wastage of water when calculated annually is very high. If we do not work together towards for the conservation of water, this planet as we know it will meet its ultimate demise sooner than we think.

OBJECTIVES

The Department of Zoology conducted this water audit as a part of the observance of World Water Day, 2021. The main objectives of the water audit are

- To estimate the total water wastage at Alphonsa College Pala due to problems in the water supply system.
- Thereby to invite the attention of concerned authorities to conserve water.
- To develop a water conservation action plan.

OBSERVATIONS

Administrative block, Academic Block 1 and library block	Total no. of taps counted	No. of working taps	No. of taps without water	No. of leaking taps	Amount of water lost in 5min(ml)	Amount of water lost per day(liter)
Ground Floor	63	61	2	6	75	1.86
First Floor	40	39	1	8	1380	1520.64
Second Floor	42	40	2	5	238.	41.256
Academic Block 2						
Ground Floor	11	9	2	Nil	Nil	Nil
First Floor	17	17	Nil	Nil	Nil	Nil
Second Floor	17	17	Nil	Nil	Nil	Nil
Third Floor	16	16	Nil	Nil	Nil	Nil
Academic Block 3	5	5	Nil	Nil	Nil	Nil

Total number of pipes in the entire college = 211

Total number of working taps in the college = 204

Total number of taps without water supply = 07

Total number of leaking taps = 19

Total amount of water lost in every 5 min = 1.691L

Total amount of water lost per day = 1563.8L

CONCLUSION

Over 1500 litres of water per day is lost due to the problems of the water supply system in the entire campus. This is a situation of great concern and an immediate action must be taken to prevent wastage of fresh water. Continuation of the problems will result in the huge loss of water amounting over 45,000 litres of water in less than a month. Long term wastage of water will eventually result in the depletion of ground water level to such low levels that the revival of ground water will become almost impossible. By the proper management of water supply system above 5,00,000 litres of water can be saved. On this World Day for Water let us all do everything in our capacity to conserve water and take part in sustainable development.

Let us value the water together.



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SURVEY TEAM

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