

AUDITING FOR WATER MANAGEMENT

1. List out uses of water in your college. -**Watering the plants, Wash rooms.**
2. What are the sources of water in your college? -**Private water.**
3. How many wells are there in your college? -**Nil**
4. No. of motors used for pumping water from each well?
-Only one motor of 1.2 HP is used from adjacent school water source. We do not have any well.
5. What is the total horse power of each motor? -**1.2 HP Motor.**
6. What is the depth of each well? -**Nil.**
7. What is the present depth of water in each well? -**Nil.**
8. How does your college store water? -**One Water tank**
9. Quantity of water stored in your overhead water tank? -**1000 Liters**
10. Quantity of water pumped every day? -**500 Liters**
11. If there is water wastage, specify why. -**Nil.**
12. How can the wastage be prevented / stopped? -**N.A**
13. Locate the point of entry of water and point of exit of waste water in your
College. -**Waste water from wash rooms exits through Drainage pipe line**
14. Where does waste water come from? -**Nil.**
15. Where does the waste water go? - **Nil.**
16. What are the uses of waste water in your college? - **N.A.**
17. What happens to the water used in your labs? Whether it gets mixed with
ground water? -**N.A.**
18. Is there any treatment for the lab water? -**N.A.**

19. Whether Green Chemistry methods are practiced in your labs?- **N.A.**
20. Write down four ways that could reduce the amount of water used in your college. **N.A.**
21. Record water use from the college water meter for six months. **N.A.**
22. Bimonthly water charges paid to water connections if any **N.A.**
23. No. of water coolers. Amount of water used per day?
Only one cooler used in last Summer only – 200 Liters per day.
24. No. of water taps. Amount of water used per day? **N.A.**
25. No. of bath rooms in staff rooms, common, hostels. Amount of water used per day? **N.A.**
26. No. of toilet, urinals. Amount of water used per day?
5 Toilet rooms, 300 Liters.
27. No. of water taps in the canteen. Amount of water used per day? **N.A.**
28. Amount of water used per day for garden use? **150 Liters.**
29. No. of water taps in laboratories. Amount of water used per day in each lab? **N.A.**
30. Total use of water in each hostel? **N.A.**
31. At the end of the period, compile a table to show how many liters of water have been used in the college for each purpose

Sl. No	Purpose	Liters of water used per Day
1	Water Cooler	200 Liters
2	5 toilet rooms	300 Liters
3	Garden use	150 Liters

32. Is there any water used for agricultural purposes? **Nil.**
33. Does your college harvest rain water? **Nil.**
34. If yes, how many rain water harvesting units are there? **Nil.**
35. How many of the taps are leaky? Amount of water lost per day? **Nil.**
36. Are there signs reminding people to turn off the water? **Nil.**
37. Is there any waterless toilets? **Nil.**
38. How many water fountains are there? **Nil.**
39. How many water fountains are leaky? **Nil.**
40. Is drip irrigation used to water plants outside? **No.**
41. How often is the garden watered? **Thrice in a week.**
42. Quantity of water used to watering the ground? **Nil.**
43. Quantity of water used for bus cleaning? (Liters per day) **Nil.**
44. Amount of water for other uses? (Items not mentioned above) **Nil.**
45. Area of the college land without tree/building canopy. **1 acre**
46. Is there any water management plan in the college? **Nil.**
47. Are there any water saving techniques followed in your college? What are they? **Nil.**
48. Please share Some IDEA for how your college could save more water.
- As there is less amount of water utilized in our college, we do not waste the water.**

Water management

SL NO	PARAMETERS	Response	Remarks
1	Source of water	Private water	
2	No. of Wells	Nil	
3	No. of motors used	1	
4	Horse power – Motor	1.2 HP Motor.	
5	Depth of well –Total	Nil	
6	Water level	Nil	
7	Number of water tanks	1	
8	Capacity of tank	1000 lt.	
9	Quantity of water pumped every day	500 Liters	
10	Any water wastage/why?	Nil	
11	Water usage for gardening	YES	
12	Waste water sources	Nil	
13	Use of waste water	Nil	
14	Faith of waste water from labs	Nil	
15	Whether waste water from labs mixed withground water	Nil	
16	Any treatment for lab water	Nil	
17	Whether any green chemistry methodpracticed in labs	Nil	
18	No. of water coolers	1	
19	Rain water harvest available?	Nil	
20	No. of units and amount of water harvested	Nil	
21	Any leaky taps	Nil	
22	Amount of water lost per day	Nil	
23	Any water management plan used?	Nil	
24	Any water saving techniques followed?	YES	
25	Are there any signs reminding peoples to turnoff the water?	NIL	

Results of water quality-I

Parameters	Bore Well water	Municipal Tap water	Standard value (BIS)
Dissolved Oxygen (mg/l)	N.A	N.A	6-8
Acidity (mg/l)	N.A	N.A	200
Alkalinity (mg/l)	N.A	N.A	200
Chloride (mg/l)	N.A	N.A	250
Hardness (Total)	N.A	N.A	200
Conductivity (μ s)	N.A	N.A	
Ph.	N.A	N.A	6.5-8.5
Total Dissolved Solids (ppm)	N.A	N.A	500
Salinity (ppt)	N.A	N.A	
Total coliform	N.A	N.A	0
Fecal coliform	N.A	N.A	0

Water Quality Analysis (Biological) Report of the college – II (with Photographic evidence)

S.No	Parameter/ WHO permissible level	Zooplankton (No of Samples/Sites)	Methodology
1	Protozoan (Ciliates)	N.A	N.A
2	Rotifers	N.A	N.A
3	Ostracods	N.A	N.A
4	Insect Larvae	N.A	N.A
5	Water Fleas	N.A	N.A
6	Bivalves	N.A	N.A
7	Snails	N.A	N.A
8	Mussels	N.A	N.A
9	Any Other (Specify)	N.A	N.A

**Water Quality Analysis (Biological) Report of the college – III
(with Photographic evidence):**

S.No	Phytoplanktons	Scientific Name and number	Methodology
1	Diatoms (Bacillariophyceae)	N.A	N.A
2	Dinoflagellates (Dinophyceae)	N.A	N.A
3	Coccolithophores (Prymnesiophyceae)	N.A	N.A
4	Green algae (Chlorophyceae)	N.A	N.A
5	Cyanobacteria (earlier Blue-green algae)	N.A	N.A
6	Others (specify)	N.A	N.A