

Government Degree College, Khairatabad

7.1.4 . Water conservation facilities available in the Institution

1 . Rain water harvesting



Water conservation is planned by diverting the spilled water from the drinking water dispensers through an aqueduct to percolate into Rain water harvesting pit.

2. Bore well / Open well recharge



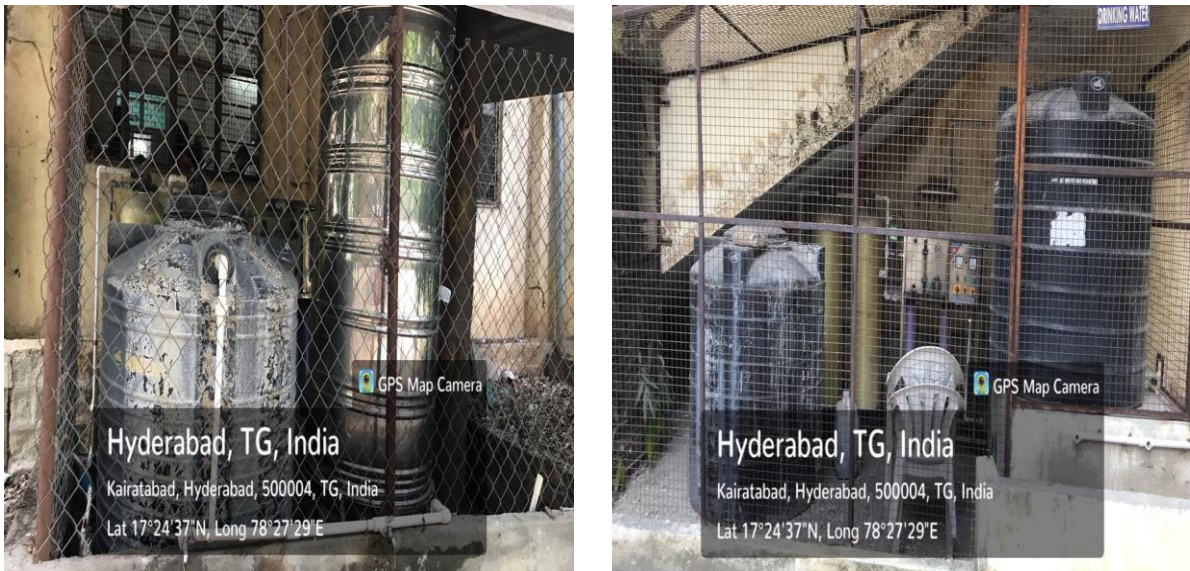
The borewell is recharged by the rainwater leaping into the open ground around it.

3. Constructions of tanks and bunds



The rain water tank that stores water for the later use in the dry summer months.

4. Maintenance of water bodies and distribution system in the campus



Distribution of drinking water after purification through the dispensers. The enclosed facility is locked and its surroundings are hygienic.

AUDITING FOR WATER MANAGEMENT

1. List out uses of water in your college.
 - Drinking, watering of plants, toilets, labs, construction of new blocks.
2. What are the sources of water in your college?
 - Borewells-2, Municipal connection-1
3. How many wells are there in your college?

Nil
4. No. of motors used for pumping water from each well?

01 Water used in the college is from Borewell
5. What is the total horsepower of each motor?

1 HP
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?
 - By means of overhead tanks.

9. Quantity of water stored in your overhead water tank? (In liters)

- Sintex overhead tanks-6, each tank capacity-2000 litres

10. Quantity of water pumped every day? (In liters)

- 8000 litres

11. If there is water wastage, specify why.

NIL

12. How can the wastage be prevented / stopped?

NIL

13. Locate the point of entry of water and point of exit of waste water in your College.

NIL

14. Where does wastewater come from?

NIL

15. Where does the wastewater go?

NIL

16. What are the uses of waste water in your college?

NIL

17. What happens to the water used in your labs? Whether it gets mixed with groundwater?

- Water comes out from labs and goes to drainage. No

18. Is there any treatment for the lab water?

No

19. Whether green chemistry methods are practiced in your labs?

Yes.Using Microwave synthesis of Organic compounds

20. Write down four ways that could reduce the amount of water used in your college.
- Use of press type taps, use of rainwater, prevention of leakage, regular monitoring.
21. Record water use from the college water meter for six months.
- Borewell water is used for college purpose
22. Bimonthly water charges paid to water connections if any
- Rs 90000 per annum
23. No. of water coolers. Amount of water used per day? (in liters)
- NIL
24. No. of water taps. Amount of water used per day?
- 55 taps, 3000 litres / day
25. No. of bath rooms in staff rooms, common, hostels. Amount of water used per day?
- NIL
26. No. of toilets, urinals. Amount of water used per day?
- 6+20, 2000 litres /day
27. No. of water taps in the canteen. Amount of water used per day?
- 1 tap, 300 litres / day
28. Amount of water used per day for garden use.
- 1000 litres
29. No. of water taps in laboratories. Amount of water used per day in each lab?
- 16 taps, 1000 litres / day
30. Total use of water in each hostel?
- NIL

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

NIL

32. Is there any water used for agricultural purposes?

NIL

33. Does your college harvest rainwater?

Yes

34. If yes, how many rain water harvesting units are there? (Approx. amount)

- 01, 4000 litres

35. How many of the taps are leaky? Amount of water lost per day?

- No leakage of taps as there is regular plumbing services.

36. Are there signs reminding people to turn off the water? Yes / No

No

37. Are there any waterless toilets?

No

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? YES/NO

No

41. How often is the garden watered?

- Regularly (daily)

42. Quantity of water used to water the ground?

- 100 litres

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.

- 3 acres

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 ideas for how your college could save more water.

1. Install a rain barrel for outdoor watering
2. Fix leaks
3. Plant a rain garden for catching storm water runoff from the roof