

7.1.4. Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Bore well /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

The college has currently has set-up a unit consisting of 3 tanks to collect rainwater from roof-top. The collected water is used for gardening/cleaning purposes (recycling of water).



Arrow shows pipeline from roof connected to the first water collection tank which are further connected to each other through pipelines



The college is expanding as several departments have been opened in the last 4-5 years, as a result, there is demand of more water. Earlier the under-ground water reservoir could store 8000 liters of water from where it gets distributed to different locations of campus and floors. This has been increased to the storage capacity of 14,000 litres. This has been helpful as it can store more water and there has been no scarcity of water.

Pictures of underground tank (under construction) and post- completion are shown below:

Under construction



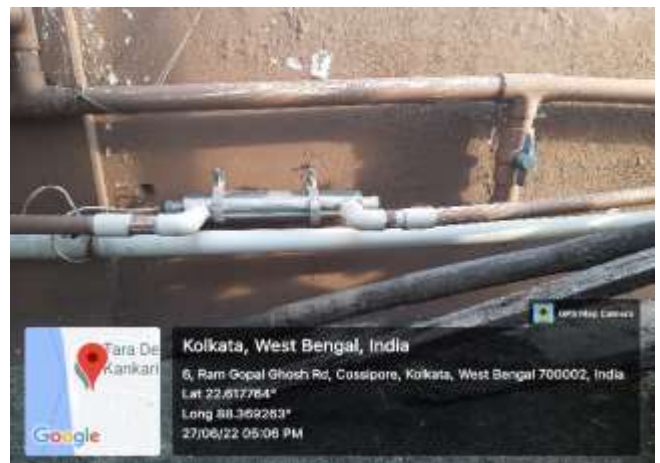
Post completion



Overhead tanks



Water-Filter unit for Drinking Water



The College has undergone a 'Green and Environmental Audit' in the current session. Extracts from the audit report on tank capacities water consumption per day are shown as below:

Table 3. Drinking water quality parameters

pH	6.9-7.0
TDS	130-140ppm
Total water Capacity of the tanks and Reservoir	14,000 litres/day
Total lifting amount of water	22,000 litres /day

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Tara Devi Harakh Chand Kankaria Jain College.
Green and Environmental Audit Report (2021-2022)

Assessing the overall water management, the quality of water weightage is high (H). The water harvesting and water recharge methods has implemented, hence the weightage is High (H). Some little efforts are done to reuse the water and prevent the wastage of water; hence it is given the weightage (L).

Table 4. Water Audit and Assessment (Tara Devi Harakh Chand Kankaria Jain College):

a.	Usage of water	That water is use for Drinking, Washing, Cleaning, Cooking, Bathing and gardening purpose. The maximum water is use for Washroom and washing purpose.
b.	Consumption of water	About 21,920 Litre water per day
c.	Water wastage	The leakage and misuse of water is about 80 Litre in whole campus. Small drip from a leaky tap, sewage water from pan in toilets and over flow can waste significant amount of water per day.
d.	Water recycle	Waste water recycle is practiced in the institute as grey water/ sewage treatment /recycle facility is provided. 200 Itr reusable purpose available in campus at College.
e.	Rain water Harvesting	In the processing

- Green and Environmental Audit Certificate

