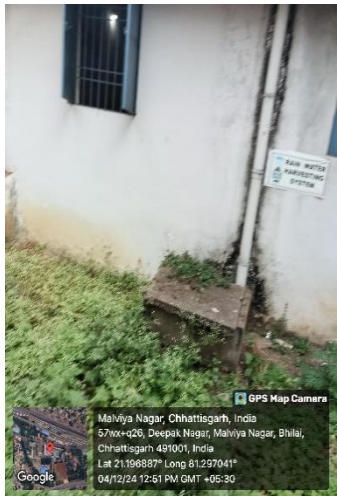


7.1.4 - Water conservation facilities available in the Institution:

Rain water harvesting System

- ❖ The terrain of the campus is designed and so the rainwater on the roof top can be captured and replenished naturally.
- ❖ Within the area of the campus, rain water harvesting is practiced at various levels.
- ❖ The initiatives to collect rainwater on the campus have been effective in resolving the water scarcity on the premises. Besides, these initiatives have left an indelible mark on the students and the general public regarding the necessity to conserve natural resources.



Bore Wells and open well recharge

- The total area of the campus is about 1,000 sqm, out of which only 1,000 sqm area has been developed as academic area and the remaining area of about 1,000 sqm (1,000% of total area) is earmarked for greenery. The college campus depends on groundwater and municipal wells for all its needs and the daily requirement of water in the campus is about 1,000 litres (approx.). To meet the mentioned daily requirement the college has constructed several borewells with varying depths as per the ground water conditions and all are recharged regularly along with 22 harvesting pits.



Construction of tanks and bund

On college campuses, tanks are built in every location. The college's storage tanks located at various sites are filled with ground water. We maintain a distinct tank system for both drinking water and bore water for ease of use. Water is gathered from the bore well, open well, and various water sources via pipes and stored in the tank.

The appropriate bunds are built on the campus to hold water, create barriers, and manage erosion. Bunds can be utilized to collect rainwater in gently sloping areas and to guarantee that bunds offer the essential protection against leaks and spills, among other issues.



Oxidation tank

To minimize wastage of municipal supply water and promote efficient use, an underground water tank has been built in the garden to collect water, which is then pumped to overhead tanks for a continuous water supply.



Waste water recycling

It primarily aids in alleviating water scarcity on the campus. It can be utilized for developing or improving wetlands.

Wastewater released from the canteen is funnelled into a small container called the Lotus tank. It is enclosed by a wire netting. The aquarium holds a range of visually striking water plants. The water from this pond is utilized to irrigate the adjoining seasonal plant beds.



Potted plants are positioned beneath the Air Conditioner outlets to efficiently use the water that is discharged from these outlets.



A temporary pond has been built next to the girls' hostel to gather water from the Railway washing yard situated close to the college campus. The pond acts as a recharge source for underground water, and a portion of it is utilized for on-site construction and the irrigation of plants distributed throughout the college campus.

