

7.1.4. Water conservation facilities available in the Institution:

1. Rainwater Harvesting System under the aegis of RUSA

With the growth in population and changes in our climate, we all need to be more responsible when it comes to how much water we use. Rainwater harvesting is now being reinvented for many new buildings with the robust guidelines for sustainable living. Our institution is committed to sustainable growth and protection of the ecosystem. Therefore, a Rainwater harvesting System was duly installed to channelize the rainwater accumulation in six blocks of the college hostel. Construction of RWHS, RCC Tank cum Injection Well, drilling of the Tube well up to depth of 100M BGL and construction of Rainwater Chamber along with main chambers was completed to replenish the ground water.



Refer to:

<https://mcmdavcwchd.edu.in/sustainable-practices/#1561628860475-2e040e4f-d01f>

7.1.4. Relevant Information - Water conservation facilities available in the Institution:



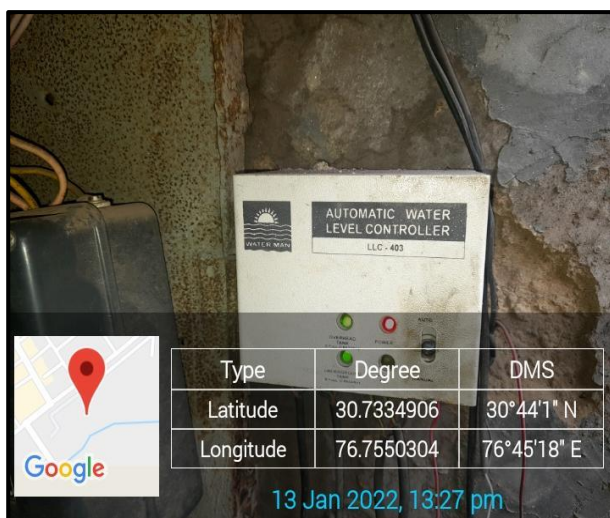
2. Biodiversity Pond

The biodiversity pond is located in the Botanical Garden of the campus. It houses a collection of hydrophytes including *Nelumbo*, *Eichhornia*, *Hydrilla*, *Lemna* and *Vallisneria*. Maintenance of the pond is carried out from time to time. *Gambusia* fish is another regular feature of the pond water. Introduction of this fish in the pond serves as a biological control of mosquitos as this fish feeds upon the mosquito larvae and thus prevents the breeding of mosquitos in the pond.



3. Water-Boosting System

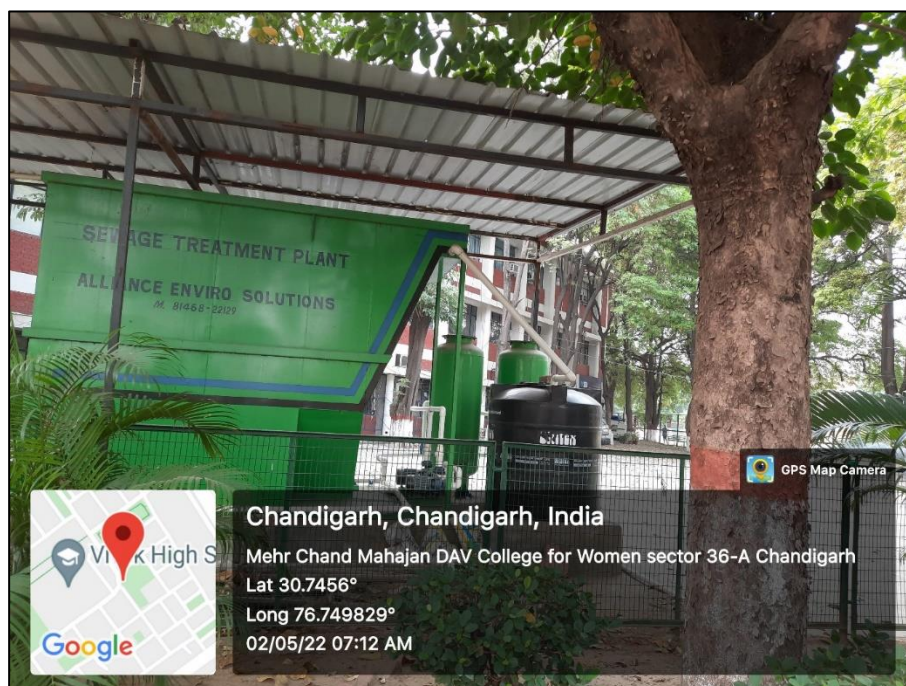
In order to meet the needs of the hostel students, a Water Boosting System has been installed in A & B Blocks. An Underground Water Reservoir of 10000-gallon capacity has been constructed with RCC Walls of 9 inches thickness, doubly reinforced. 3 Horse Power single phase submersible motor pump, having 32mm dia suction has been installed



for boosting up the level of water with the help of 750 ft distribution pipe. This system under the aegis of RUSA has proved to be a valuable addition as the students do not face water scarcity even when the Water supply in the city is low. The institution's vision of providing "Quality education in quality ambience" stands reiterated as the stakeholders have expressed huge appreciation for this initiative.

4. Waste Water Recycling

To strengthen the zero-waste policy of the college on liquid waste management, 50,000 Litres/day capacity **Sewage Treatment Plant** (STP) has been installed in the college campus with the primary objective of



recycling liquid waste water generated in the toilets of the academic and administrative block of the college. The filtered treated water is pumped to the college Gardens.

5. Maintenance of water bodies (tanks, purifiers etc.)

Periodic cleaning of water bodies including tanks, purifiers is being done throughout the year.



Cleaning of Water Tanks

7.1.4. Relevant Information - Water conservation facilities available in the Institution:



Cleaning of Water Purifiers and dispensers