



CRITERION: VII. INSTITUTIONAL VALUES AND BEST PRACTICES

METRIC: 7.1.4 WATER CONSERVATION

YEAR : 2022 - 2023



7.1.2 – 5. WATER CONSERVATION

WATER CONSERVATION

(Well, Bore well points, Water tank, Drinking water - RO and Rain water Harvesting)

Water is the vital part for the life of all living beings. The water plays a pivotal part in the sustainability of the ecosystem. Water conservation is important in every walk of life. In the educational institutions, the importance of water conservation must be emphasized to vitalize the future generation.

BORE WELLS

Our institution is the pioneer for women education in Dindigul District and more than 3200 girl students are studying. The availability of water for drinking and other basic needs and its conservation is the major concern in the women's colleges. The availability of Borewells and open wells, construction of rainwater harvesting pits and collecting & saving water in tanks are the major sources of water for the entire college. There are 6 bore wells drilled in the following places in the College premises:

- 1. Near College Open Well**
- 2. On the side of open well**
- 3. Behind the old building of History Department**
- 4. In the front of Computer Science Department**
- 5. Behind BBA Department**
- 6. Near the Tamil Department (New Building)**

OPEN WELL:

A big well is situated in the Botanical Garden. The water supply from the open well fulfills a part of our requirement. The well increases the water table level in its surroundings where the bore wells are available.

WATER TANKS AND TAPS

The water tanks are placed in the

- a) Main building**
- b) 3000 liters capacity of Cement tanks in MGR centenary building**
- c) New Computer block**
- d) Hostel Building and**
- e) New building situated in the botanical garden. Water is supplied from these tanks to all the taps kept near the central library, chemistry department, old English department and MGR building (outside).**

A 5000 litres capacity of water tank is kept in the RUSA building.

The yielding of water from the well and bore wells is sufficient to satisfy the regular requirements of water for laboratories and rest rooms.

The underground pipe connections and Motor points are separately kept in the

- a) main building**
- b) New Computer Block**
- c) New Building in the Botanical garden and**
- d) Hostel,**

which are enough to fill the water in all water-tanks. The separate motor points reduce the over load and power consumption. They also prevent water from over flowing.

RO SYSTEM

A potable water tanks with 500 liter capacity is kept in the ground floor of all the buildings. The Old Students Association (OSA) contributed Rs. 4, 25, 000/- for installing RO System in the year 2016. The Pipe connections are laid to supply RO water in the main building. A total number of 15 pipe-line points are kept near the Departments of Geography, Physics, Zoology, Chemistry and History and Central Library.

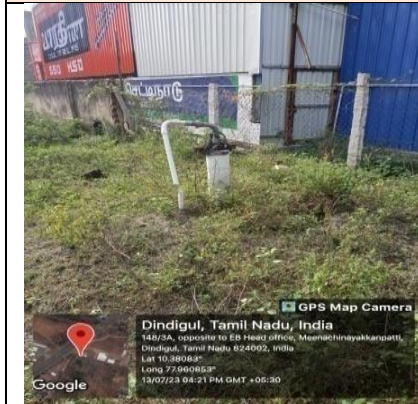
RAINWATER HARVESTING PLANT / PITS

Dindigul receives optimal rainfall during the monsoon since it is situated amidst of Kodaikanal and Sirumalai hills which produce cool breeze and pleasant climatic conditions. Our College covers 40 acres of land. The canopy of variety of trees and plants along with dense trees in the botanical garden brings pleasant weather inside the college premises.

During rainy seasons due to heavy down pour the runoff water is saved in the rainwater harvesting pits and also it is directly collected in syntax tank through the pipelines. There are about 13 total counts of rain water pits available in the campus. The rainwater harvesting pits are constructed in the following sites in our college premises.

- 1. Parking area**
- 2. Computer sciences building area**
- 3. In Front of Tamil department (botanical garden)**
- 4. In Front of English department (botanical garden)**
- 5. Near Zoology store room (where rainwater is collected in the barrel and syntax tanks).**
- 6. On the sides of Principal's room**
- 7. Near Canteen.**
- 8. Main block Gate**
- 9. MGR centenary Building (left)**
- 10. MGR centenary Building (right)**
- 11. Near Kalaignar Valagam**
- 12. D Block**
- 13. D Block**

BOREWELLS AND OPEN WELL



Borewell point - 1



Borewell point - 2



Borewell point - 3



Borewell point - 4



Borewell point - 5



Borewell point - 6



**Open-Well In the Botanical
Garden**



Open-Well Motor Point

**BOREWELL POINTS – 6
OPEN BOREWELL – 1**

TAP SYSTEM



Tap System -1



Tap System - 2



Tap System - 3



Tap System - 4



Tap System - 5



Tap System - 6

RO - PIPES



RO - Tap - 1



RO - Tap - 2



RO - Plant installed by OSA



RO - Tap - 3



RO - Tap - 4



RO - Tap - 5



RO - Tap - 6



RO - Tap - 7



RO - Tap - 8



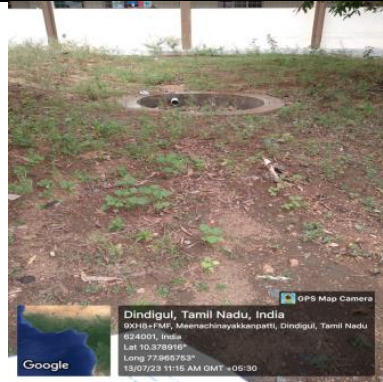
RO - Tap - 9



RO - Plant installed by OSA

Photos portrait the RO-Pipelines and the Plant installed by OSA

Rainwater Harvesting Pits and Water Tanks



Rain Water Harvesting pipeline – Tank - 1



Rain Water Harvesting pipeline – Tank - 2



Rain Water Harvesting pipeline – Tank - 3



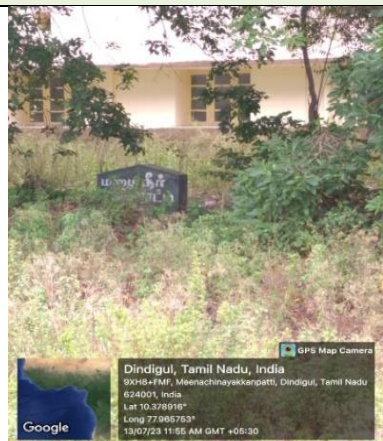
Rain Water Harvesting Pit-4



Rain Water Harvesting Pit-5



Rain Water Harvesting Pit - 6



Rain Water Harvesting Pit - 7



Rain Water Harvesting Pit - 8



Rain Water Harvesting Pit - 9



Rain Water Harvesting Pit - 10



Drinking water Tank - 1



Drinking water Tank - 2



Drinking water Tank - 3



Drinking water Tank - 4



Water Tank in New Building - 5



Water Tank in New Building - 6



Over head water tank - 7

Photos portrait the Rainwater harvesting pits and water tanks