



VSB College of Engineering Technical Campus

Approved by AICTE, New Delhi & Affiliated to Anna University

Coimbatore to pollachi Road NH - 209, Ealur Privu, Kinathukadavu Taluk,

Coimbatore - 642109, Tamilnadu, India. Email: office@vsbcetc.com Website : www.vsbcetc.com

7.1.4 Water Conservation facilities available in the Institution:

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7.1.4 Water conservation facilities available in the

Institution:

1. Rainwater harvesting

Ground water is one of the important sources of water in urban as well as rural areas. It is very evident from the number of failing bore wells or Open wells that it is unsustainable to pump out water from wells without recharging the same from the rainwater. To reduce the effect of over exploitation, ground water recharges are to be taken up on a large scale at residential and institutional buildings.

With increasing urbanization, underground water has been indiscriminately exploited, causing depletion in water table. Increase in consumption and reduced precipitation intensity in regions is a vital cause for water scarcity. Rainwater Harvesting (RWH) is a technology where surface runoff is effectively collected during yielding rain periods. The proper rain water management minimizes the water crisis.

The methodology of rainwater harvesting involves collection, channelization, filtering, storage and recharge of rain water. The rainwater collected from rooftop catchment areas and surface runoffs are properly drained to respective recharge points. Surface runoff water thus collected is channelized effectively towards the recharging pits and it enters into the bore well through filters. The collected water is stored for recharging the ground water.

In VSB campus an open well of 10 feet deep is available at academic MAIN Block backside as well as Girls hostel backside to collect the roof top rainwater from the neighboring academic blocks in vicinity. In addition there are three bore wells installed at salient spots to collect the surface runoffs effectively.

The landscape of our Institution is naturally downward slope, which piles the run off from the unpaved area in order to increase the groundwater table. Also rain water is stored in organized ponds within the campus as a part of conservation and preservation of natural resources.

Benefits:



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1. Helps in recharging the soil
2. Improvement in ground water level by percolation
3. Improves soil moisture
4. Reduces soil erosion by minimizing runoffwater.



Thiruppa

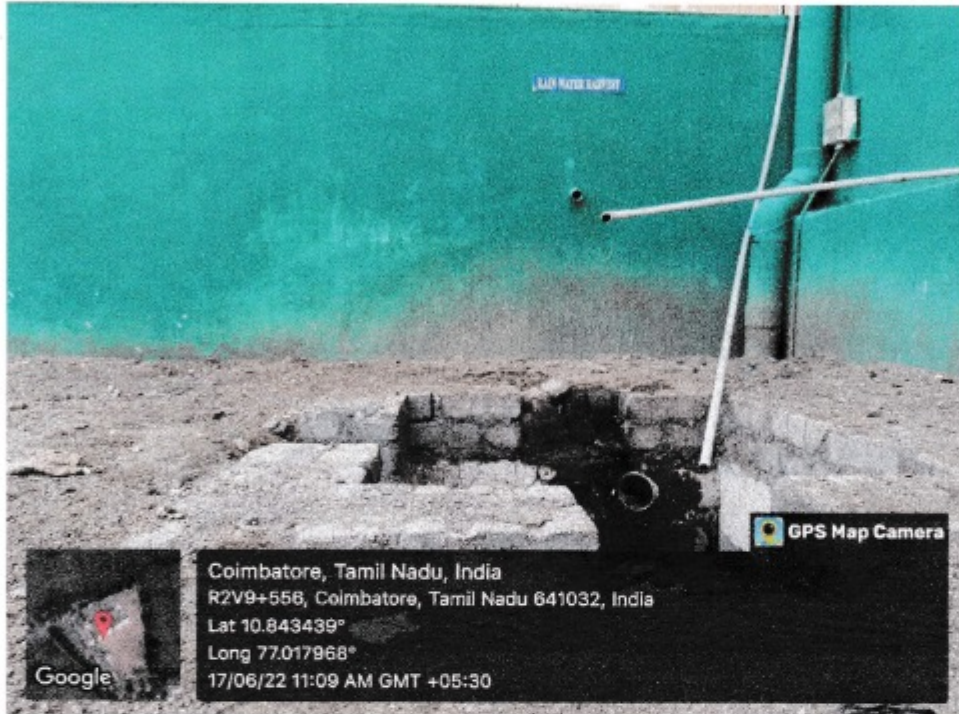
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2. Bore well / Open well recharge:

Deeper bore wells are dug for groundwater abstraction. Vertical drilled bore wells, bored into an underground aquifer into the earth's surface, to extract water for various purposes.

- Gardens, Lawns, Hostels, Canteens and Rest rooms used the bore well water.
- During summer the bore well water is used for various purposes.
- Three bore wells are provided one is 1100 feet depth and remaining both are 800 feet.



Ahmed

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3. Construction of Tanks and Bunds

- Construction of tanks helps to store water for irrigation gardening and for lawns.
- When the ground water level is too low water is stored in tanks help bore wells with a perennial supply of water to enable distribution of water to various places for varied reasons.
- Main tank of capacity 12000 liters is provided.



J. Srinivasan
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4. Wastewaterrecycling:

Sewage treatment plant with a capacity of 12000 liters is provided in the campus to enable treatment of the waste water and the heated water is used for gardening purposes.



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Thirupar
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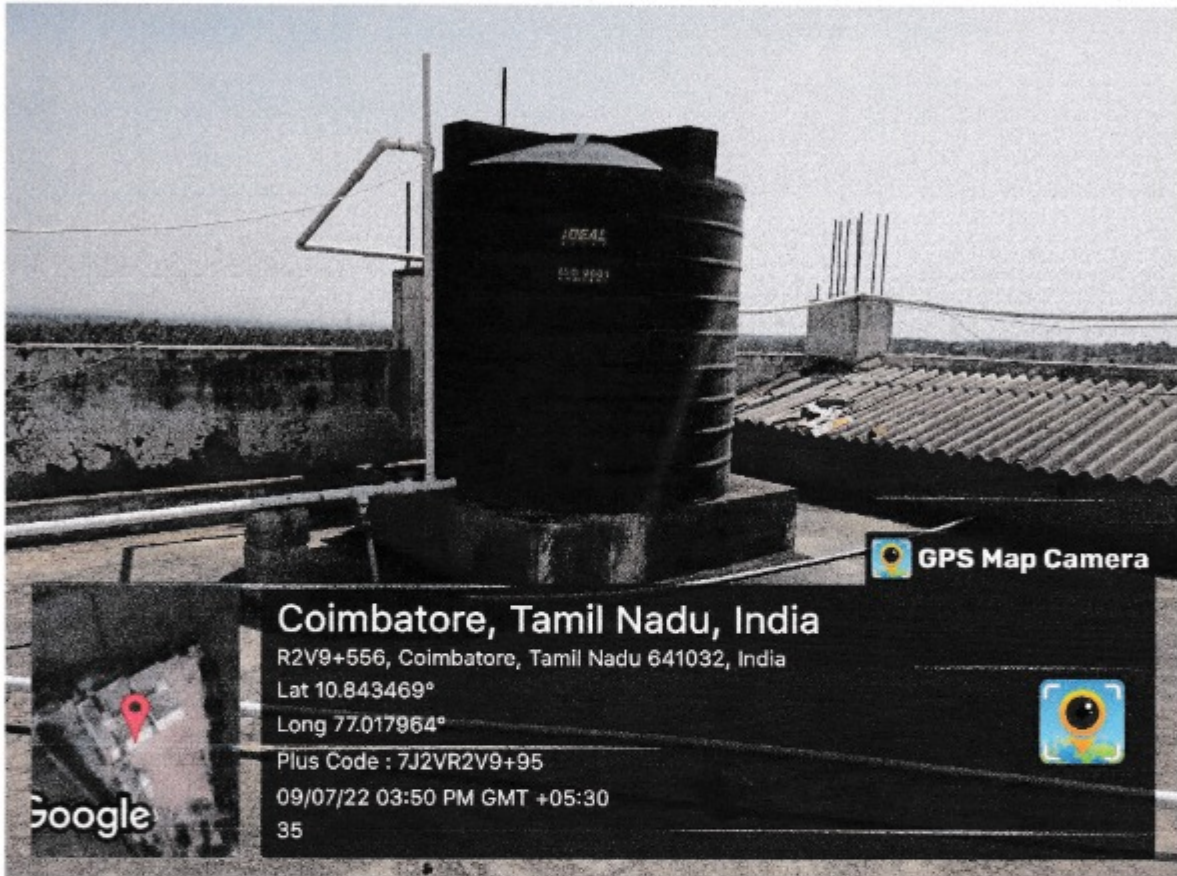
5. Maintenance of water bodies and distribution system in campus





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Shreeja

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