



MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

Affiliated to Periyar University, Salem

Accredited by NAAC with 'A' Grade & Recognized u/s 2(f) and 12(B) of the UGC Act 1956

Kalippatti – 637501, Namakkal District, Tamil Nadu

7.1.4. Water Conservation Facilities in the Institution

- 1. Rain water harvesting**
- 2. Borewell / open well recharge**
- 3. Construction of tanks and bunds**
- 4. Maintenance of water bodies and distribution system in the campus**

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Kalippatti (PO) - 637 501, Namakkal (DT)



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1. Rain Water Harvesting

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The college has taken maximum steps to harvest rainwater inside the college campus as well as in the hostel campus

- Rainwater collected from all the areas are used to recharge the ground
- Total rainwater harvest area covered-50000 square feet
- No. of rainwater harvest system established in the college-3
- No. of bore well used for recharge by rainwater-2

Details of rainwater harvesting area in the campus

MASC RAINWATER HARVESTING				
S.No.	PLACE	LOCATION	NUMBERS	AREA DETAILS IN SQFT
1.	MASC	MAIN BLOCK	1	18000
2.	MASC	ARTS BLOCK	1	20000
3.	MASC	NEARBY PLAY GROUND	1	12000
TOTAL			3	50000

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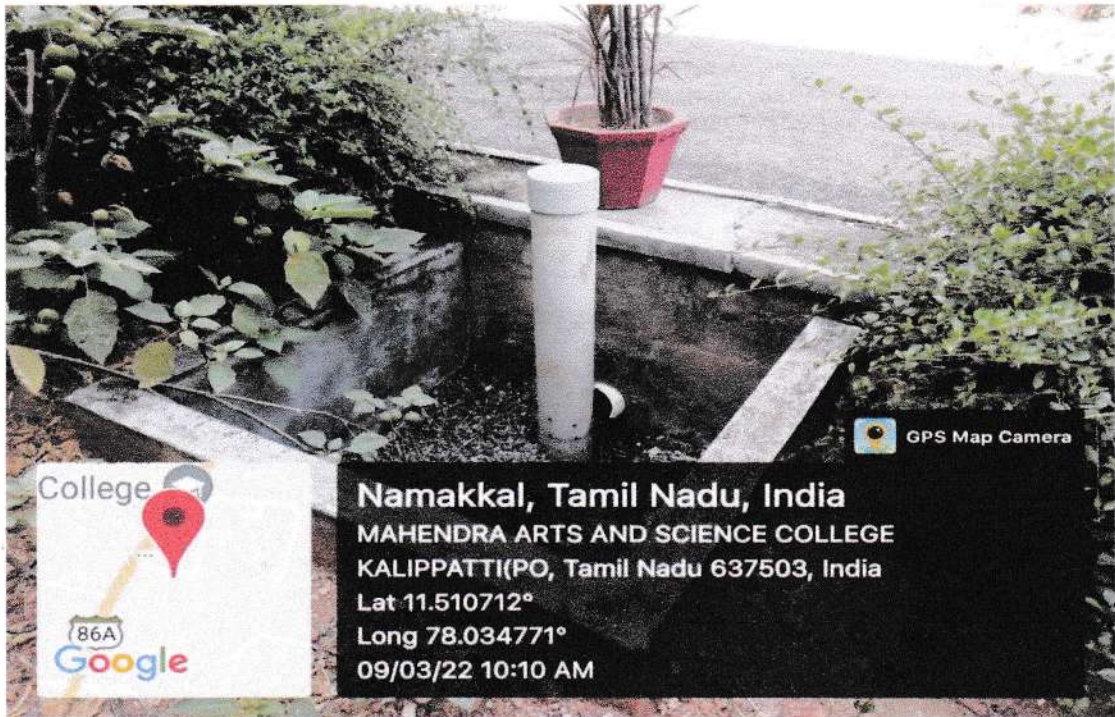
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Rain Water Harvesting

At Mahendra Arts and Science College (Autonomous), rain water harvesting has been done successfully for many years. The pond provides a big ambience for saving approximately 2 TMC water every year. The pond has been connected with different ways from every part of the institution. Different pits are constructed to save every drop of water which provide main source for the ground water. It has been used by people who reside near the college.



Rainwater drainage Facility near Art's Block

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The pond which provides ground tank water for the college and the nearby play ground.


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2. Bore well /Open well Recharge

DETAILS OF THE LOCATION OF BORE WELL RECHARGE IN THE CAMPUS

MASC BOREWELL RECHARGE			
S.No.	PLACE	LOCATION	NUMBERS
1.	MASC	BIOTECH BLOCK	1
2.	MASC	BEHIND ARTS BLOCK	1
TOTAL			2

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Bore well /Open well Recharge

This institution does not buy water from outside. Instead, the water which has been saved in the pond provides sufficient supply of water to the institution. There are 4 bore wells which help to get approximately 4000 to 8000 liters every day. In order to recharge the bore wells, there are around 40 pits which are constructed in different dimensions are filled with coarse gravel for adequate infiltration of water. This helps in increasing the ground water level.



One of the open bore well recharge pits near Bio Tech Block

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One of the Bore wells behind the Arts Block

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3. Constructions of Tanks and Bunds

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Construction of Tanks

This institution has built various over tanks in almost all the building. The capacity of the tank may vary for each building. The institution has 5 over tanks in which the hostel over tank has the high capacity of 10000 litres of water. Remaining tanks have the capacity of 5000 litres. Consumption of water changes according to the needs of the building. The pond is the main source for all the supply of water. It has the capacity of approximately 1 TMC water.



Water Tank on Arts Block

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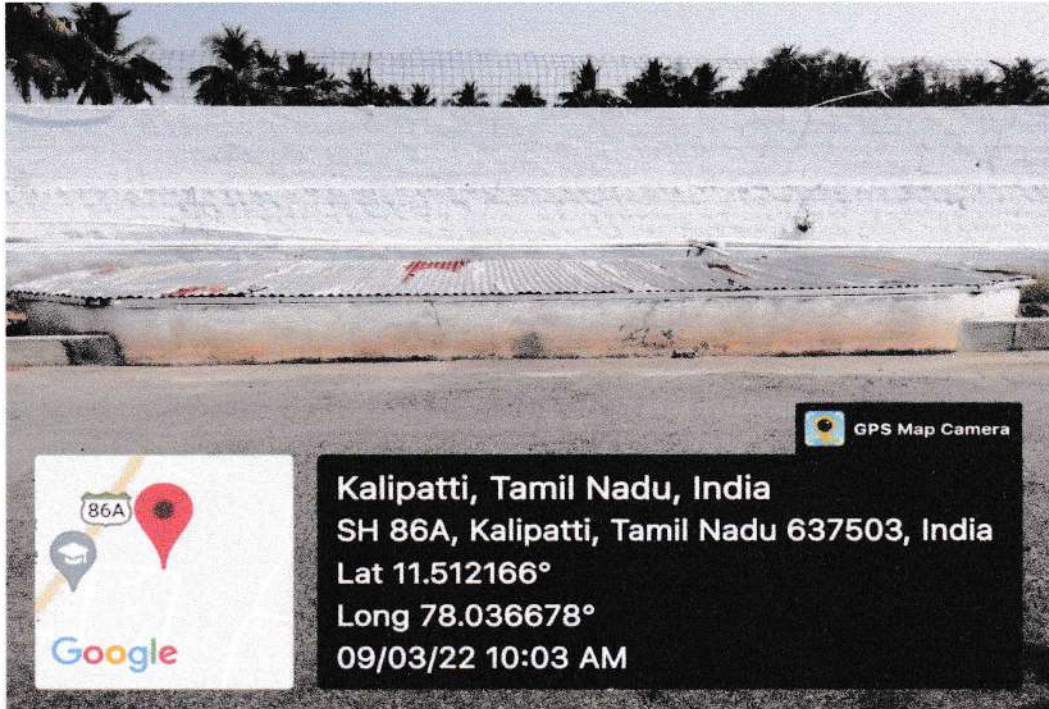
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Other water tank on Arts Block

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7.1.4: Water conservation facilities available in the Institution

Any Other relevant Information

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4. Maintenance of water bodies and distribution system in the campus

- ✓ The Bore well water is pumped into storage tanks located at different places in the campus. The water is distributed through pipe network.
- ✓ Drinking water is supplied through a separate set of distribution pipes and water for all other purpose is supplied through another set of distribution pipes.
- ✓ Periodical monitoring of pipeline connection and plumbing works are done to avoid the leakage of water.
- ✓ Press type taps are fixed in the mess to prevent the wastage of water during washing hands.
- ✓ In the hostel, to minimize the water usage, washing machines are provided for the students to wash clothes.
- ✓ Dish washer is provided in the hostel to reduce the water consumption.
- ✓ Water purifiers are provided in hostel and college for safe drinking water

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Water Flowing from Bore Well

Open Well/ Bore Well



Water distributed by various channels

Water Tank

Water Doctor/
Water Tap/
Wash Rooms/
Laboratory/
Canteen



Treated water goes to garden/ground



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MAINTENANCE OF WATER BODIES