7.1.4- Water conservation facilities available in the institution

Rain water harvesting	Bore well / Open well recharge	Construction of tanks and bunds	Waste water recycling	Maintenance of water bodies and distribution system in the campus
Yes	Yes	Yes	Yes	Yes

Aditya College of Engineering maintains various water conservation facilities in the campus.

S.No	Tanks and bunds /Soak pit	Available No.	Capacity in Litres
1	Tanks and bunds	2	1,13,23,076
2	Soak pit	4	94,648
Total Storage capacity			1,13,97,724

Rain Water Harvesting:

Aditya College of Engineering has a good practice of harvesting the rainwater collected from roof top area (14193 Sq.m) in 2 ponds and 4 soak pits constructed. The college campus has a scientifically well- equipped rainwater harvesting unit facilitated by an ideal set up. The rainwater from top of the roofs is collected through proper network of pipes. This network is instrumental of storing the water in soak pit/bunds with the capacity of 1,13,97,724 liters.

Bore well / Open well recharge:

There are **four** bore wells available in the campus to supply of the water for regular usage. Currently the ground water is available within the depth of 100 ft. The bore wells are sufficiently recharged through soak pits, so as to retrieve required water throughout the year. Due to the measures taken in terms of water harvesting system ensured that all the bore wells are always kept recharged and hence the campus has never felt scarcity of water.

Construction of tanks and bunds

There are 2 (two) tanks and bunds available in the campus with a size of 100 ft. length X 150 ft. width X 8 ft. depth and 90 ft. length X 200 ft. width X 8 ft. depth which can store 1,13,26,738 liters of water.

Waste water recycling: Sewage Treatment Plant (STP) for waste water recycling:

The institute maintains two STPs with the capacity of 20000 liters water recycling and usageby the students in the hostel. Other water redirected to fields and ponds.

Maintenance of water bodies and distribution system in the campus:

The institute has proper network of pipes to collect the rainwater from top of the roofs. There is a well connected pipes network water delivery system to distribute the water for each floor of the various buildings.

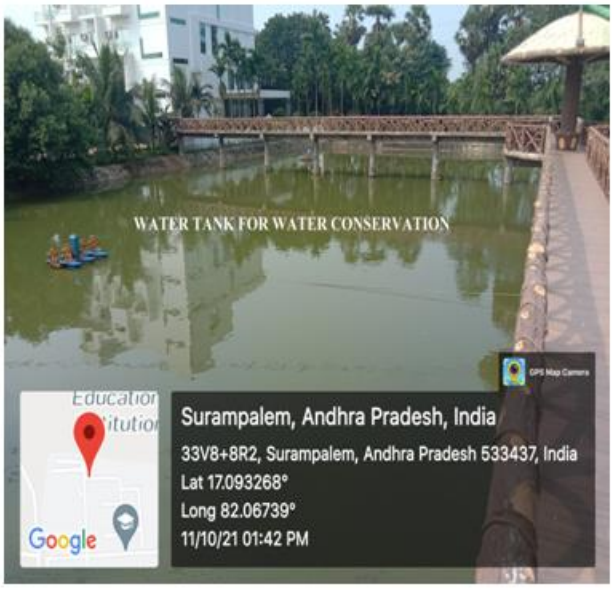
S.No	Proof of Documents
1	Rain water harvesting
2	Bore well / Open well recharge
3	Construction of tanks and bunds
4	Waste water recycling
5	Maintenance of water bodies and distribution system in the campus

ADITYA COLLEGE OF ENGINEERING SURAMPALEM

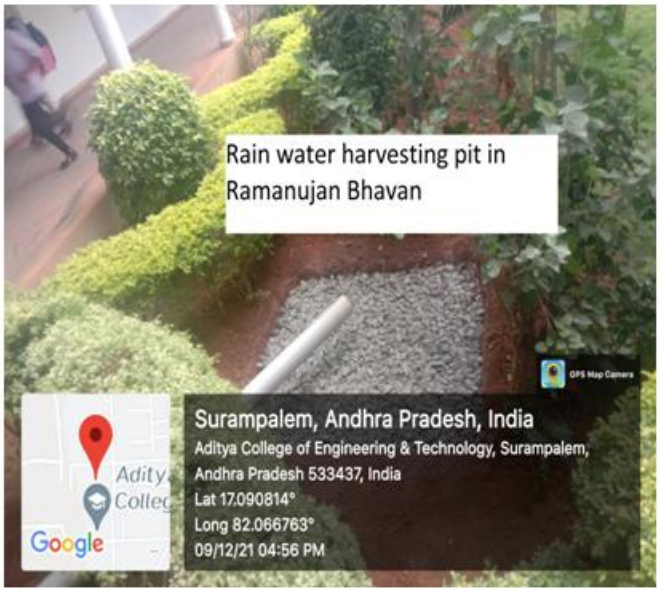
PRINCIPAL

PRINCIPAL
Aditya College of Engineering
SURAMPALEM-533 437

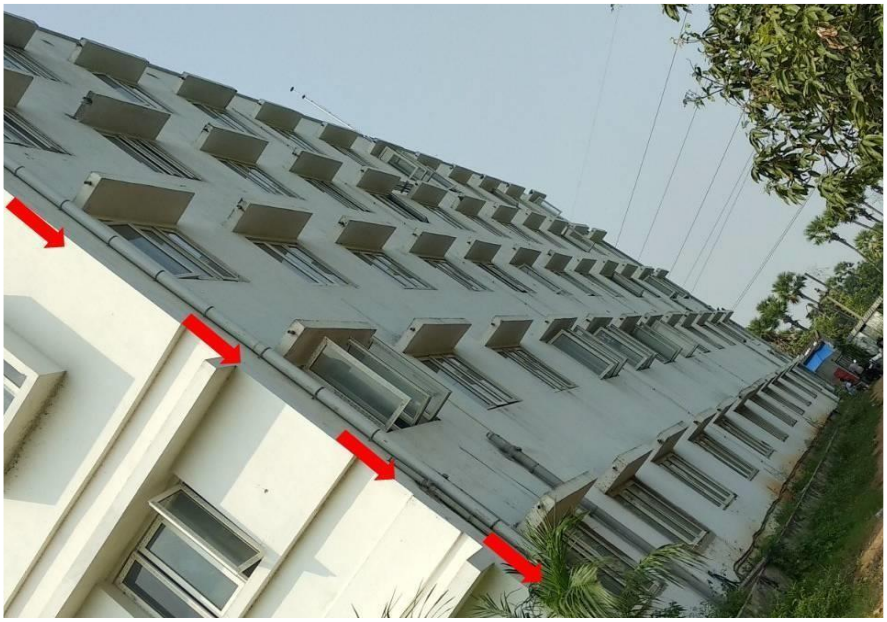
1. Rain water harvesting Location- Ramanujan Bhavan



Water tank for Rain water conservation

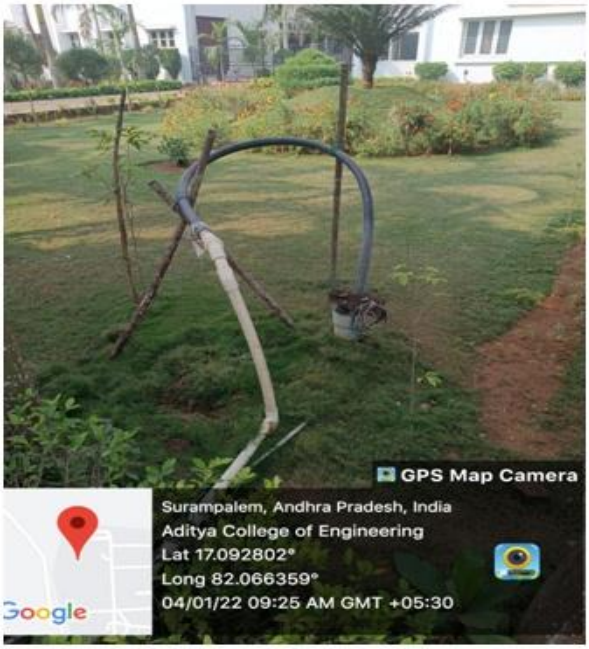


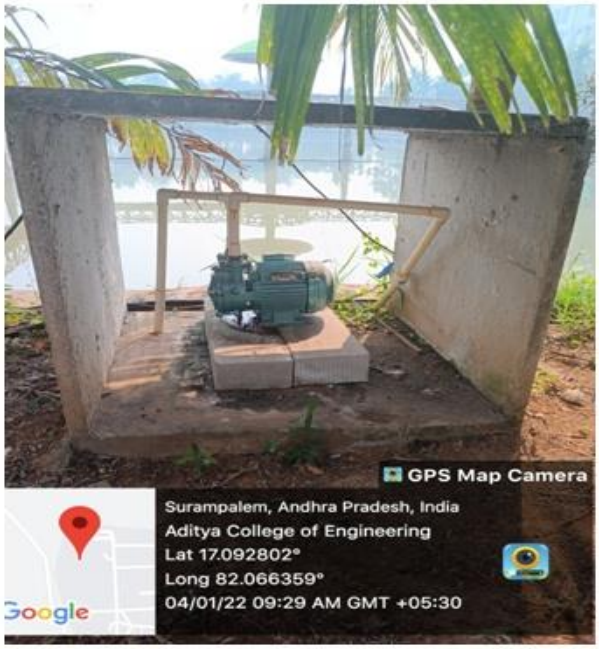
Rain water harvesting pit in Ramanujan Bhavan



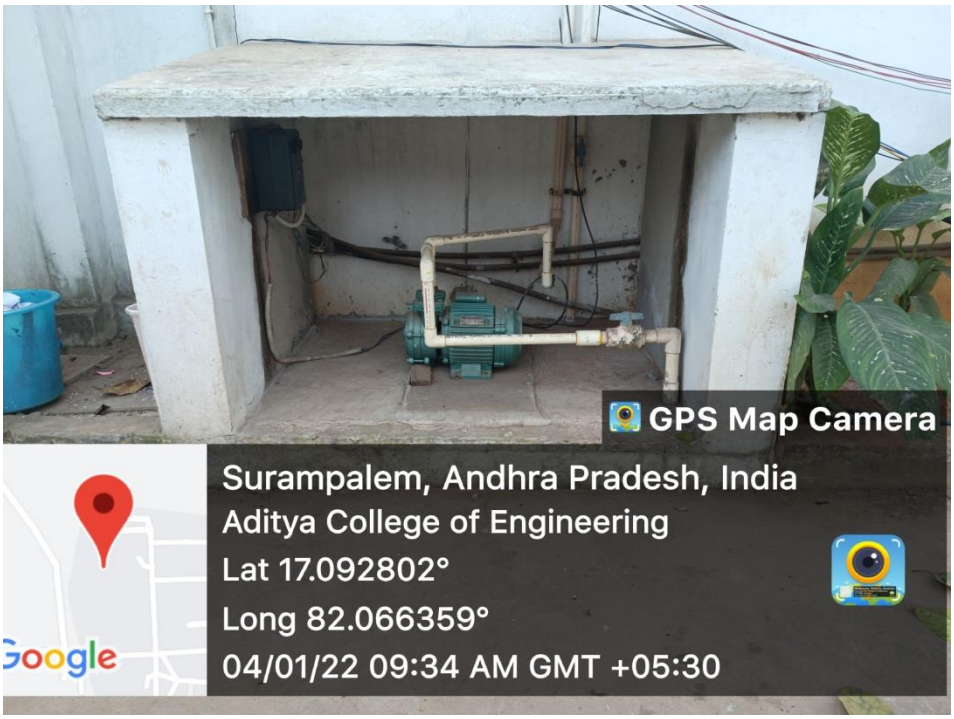
Pipe lines from roof top to recharge pits

2. **Bore well / Open well recharge** Location- Ramanujan Bhavan



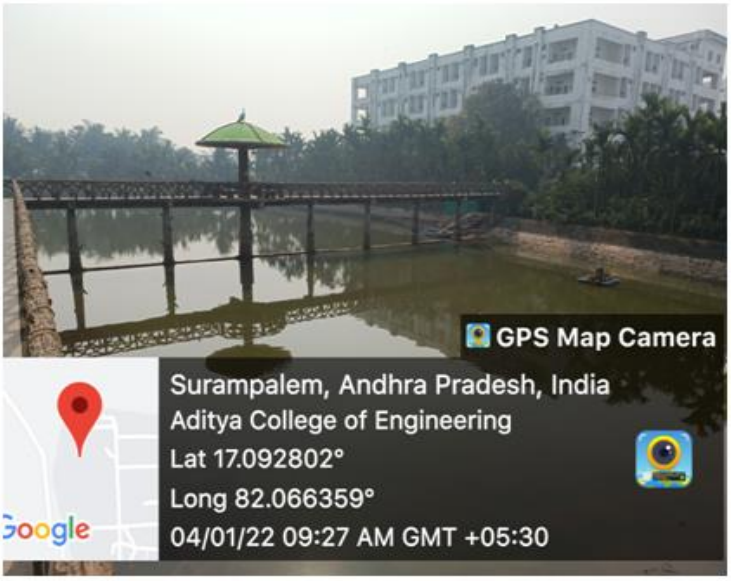


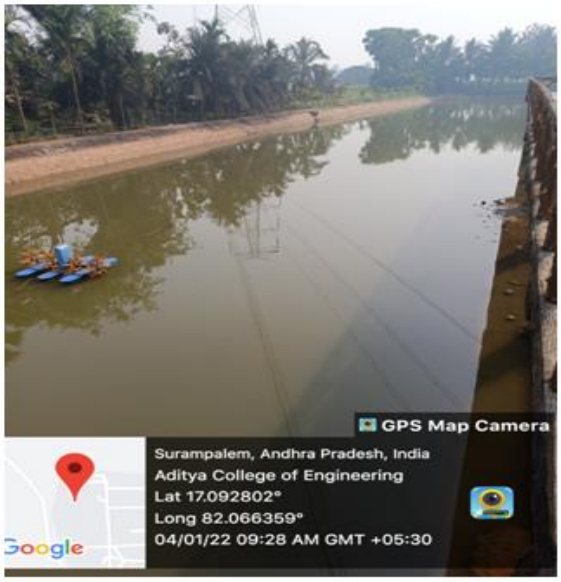
Bore well and Open Well Recharge in Ramanujan Bhavan



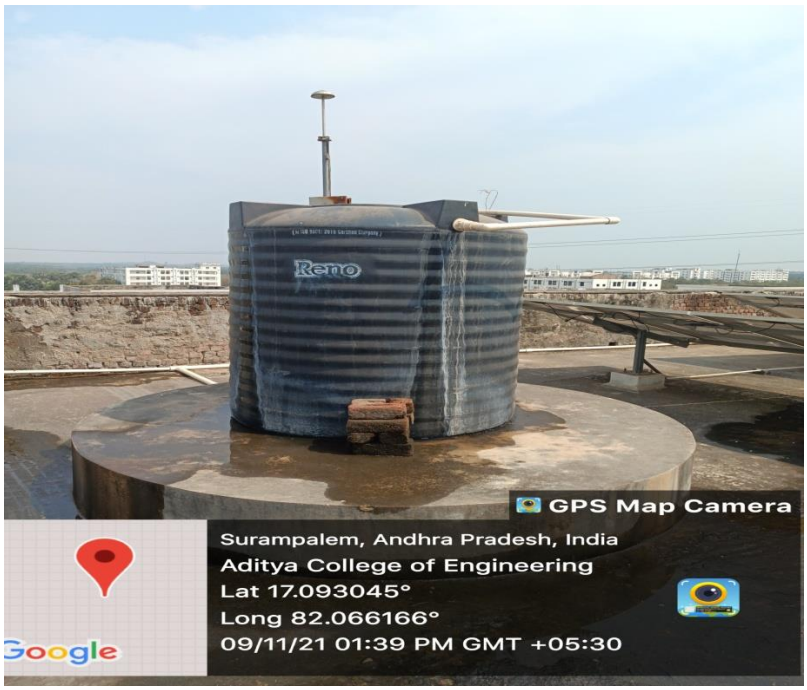
Bore well Near James Watt Bhavam

3. **Construction of tank and bunds** Location- Ramanujan Bhavan



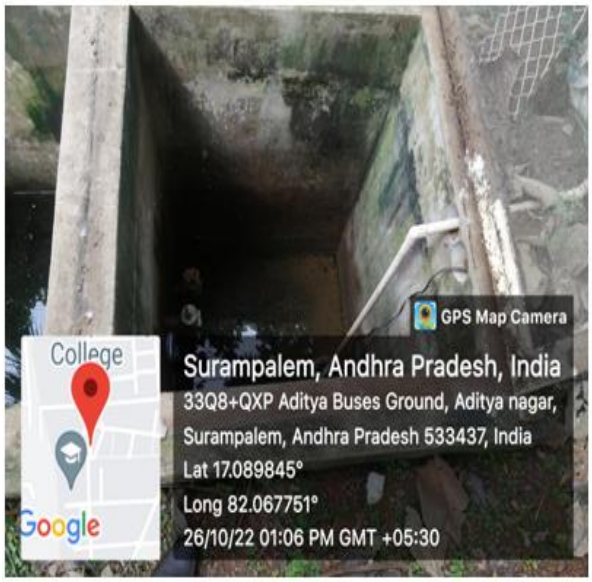


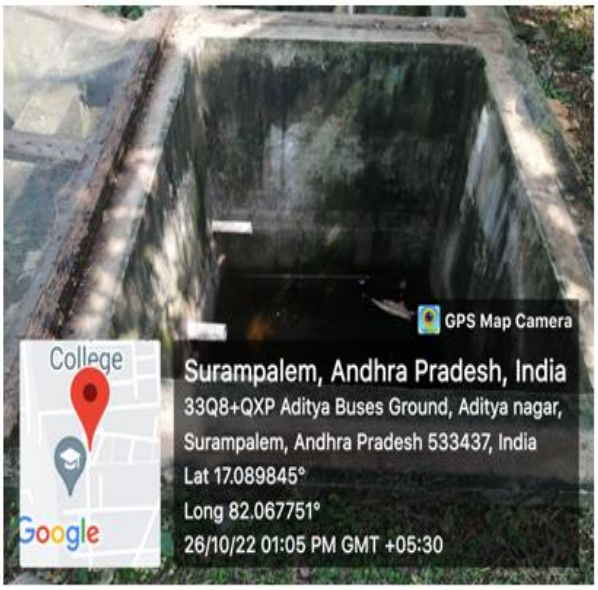
Construction of Tanks and bunds for maintaining water conservation facilities



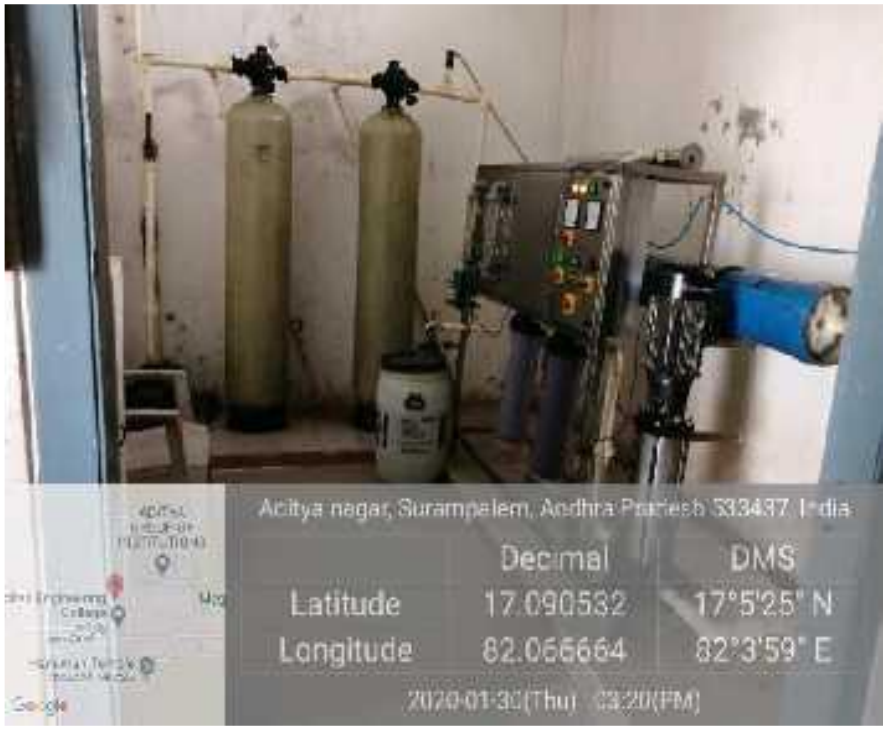
Tank on top of James Watt Bhavan

4. Maintenance of water bodies in the campus

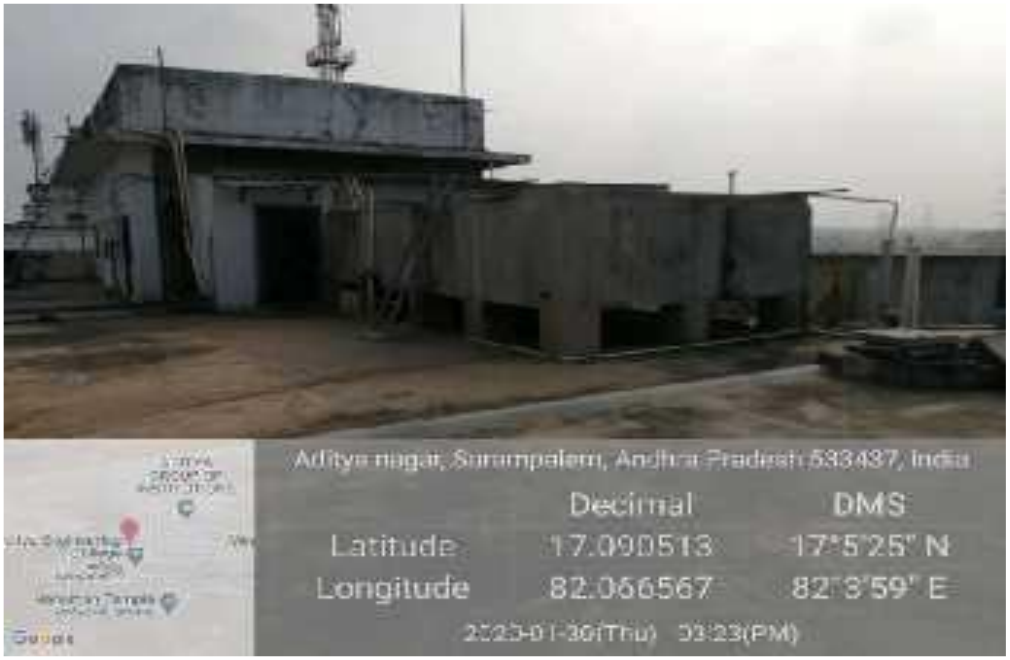




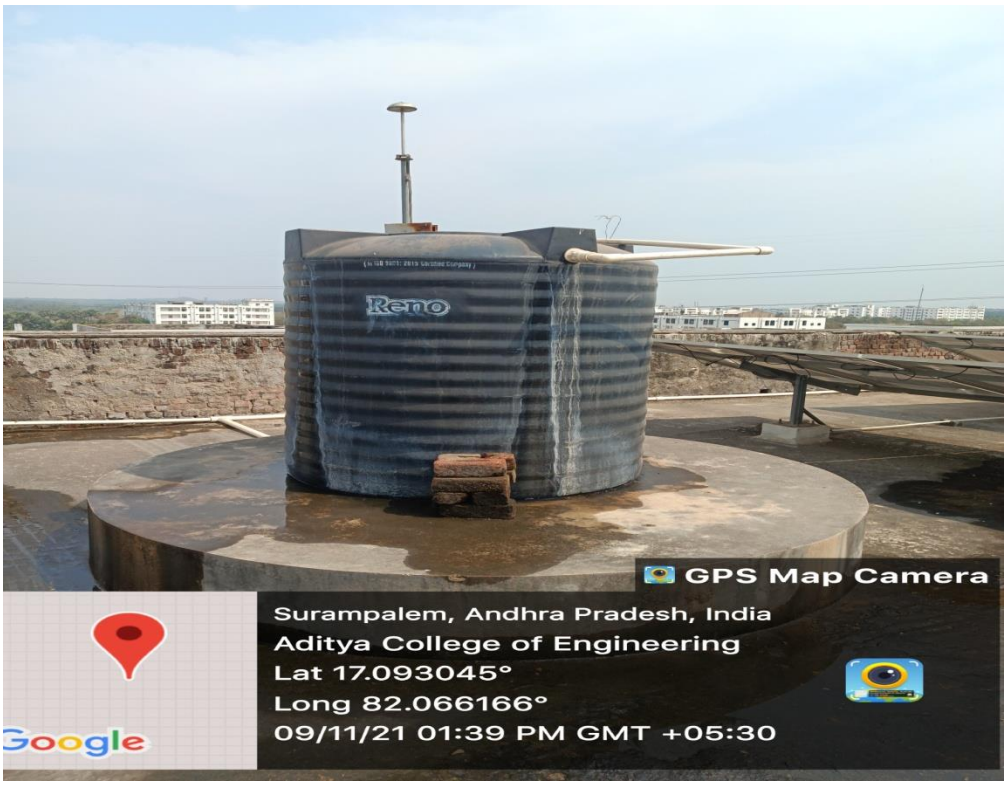
Maintenance of water bodies in the campus



RO plant near Boys Hostel

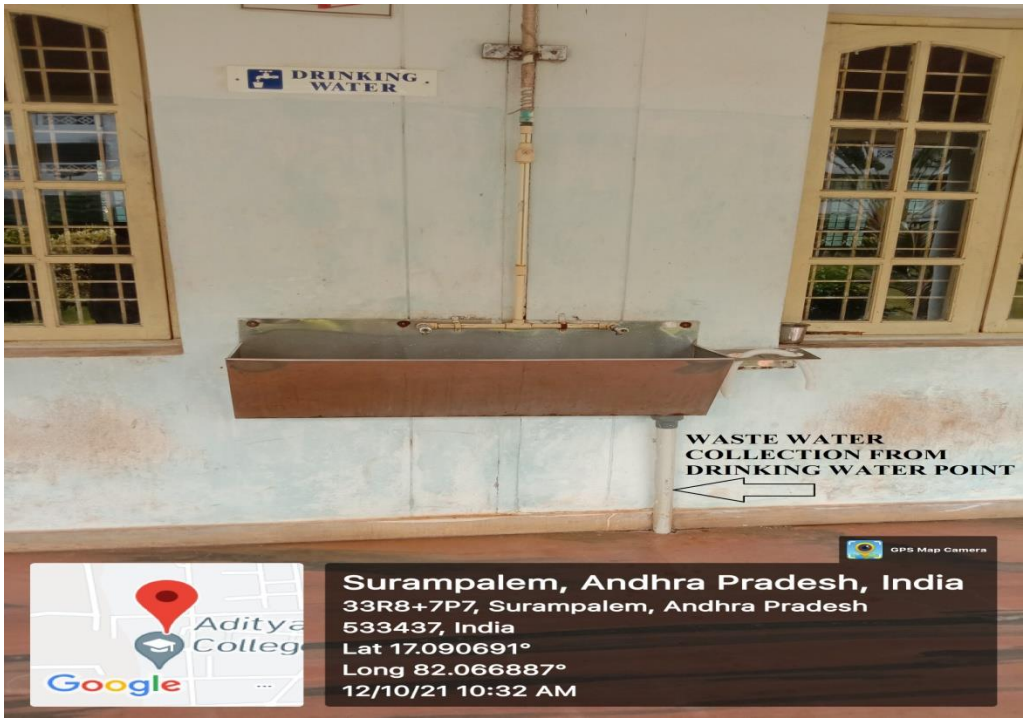


Water distribution system in the Ramanujan Bhavan

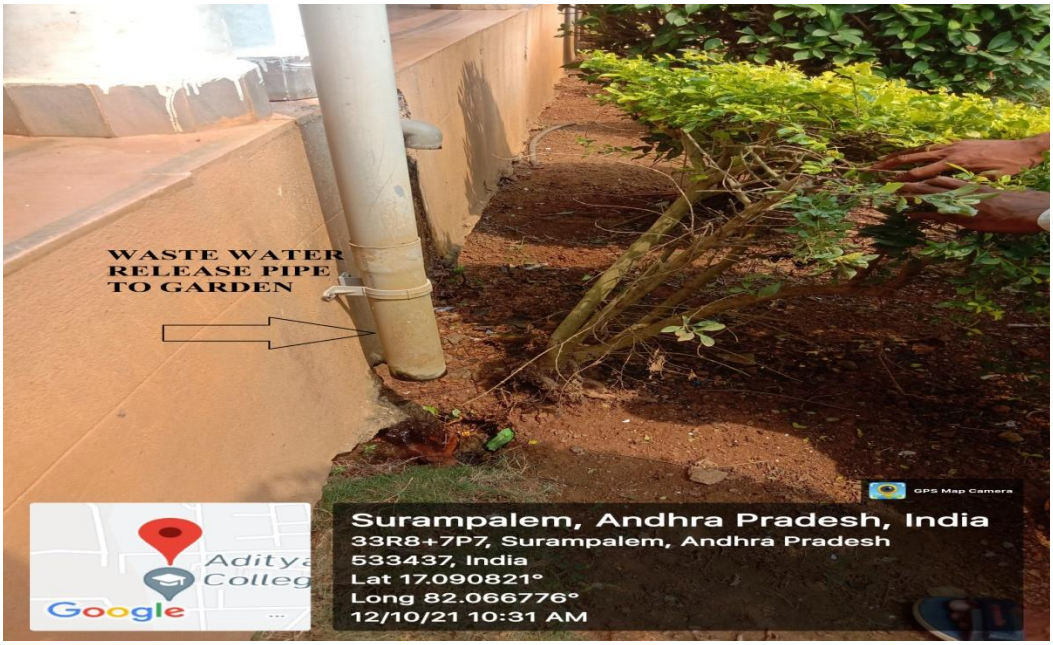


Water distribution system in James watt bhavan

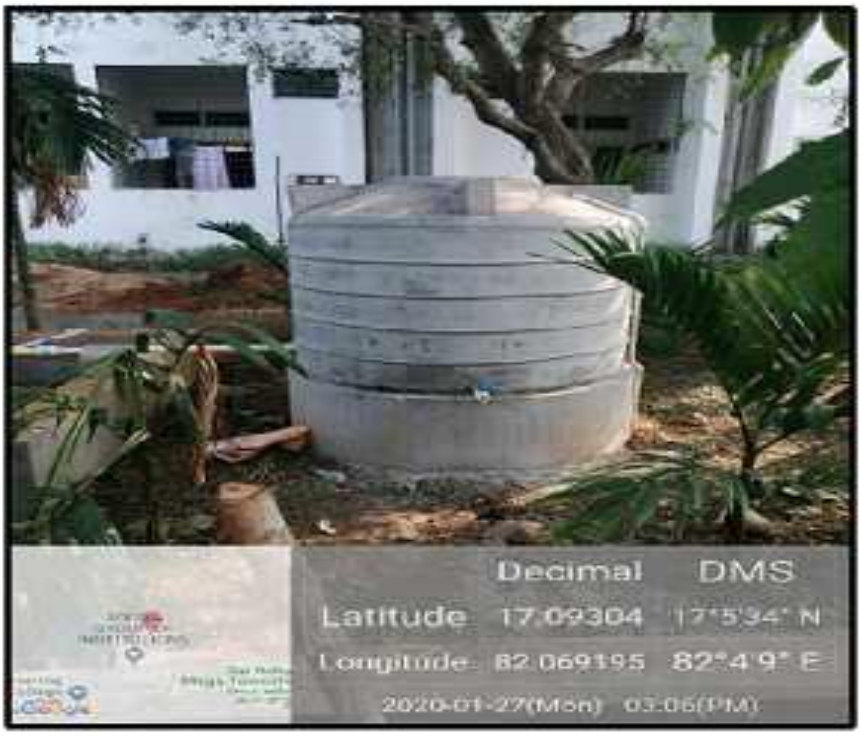
5. Waste water recycling system



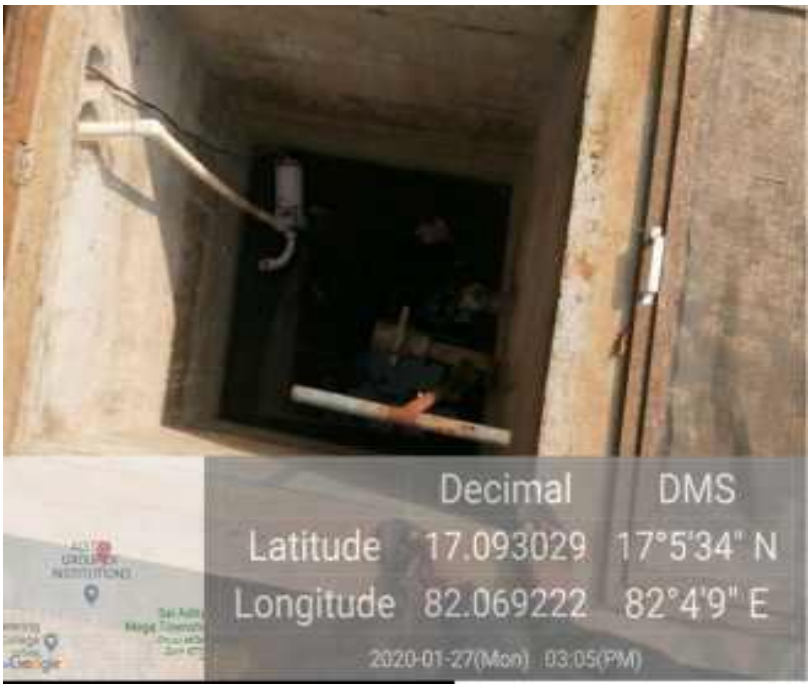
Waste water collected trough pipe and distributed to plants



Waste water pipe line for plants



Sewage Treatment Plant (STP) with 20000lit capacity



STP collecting tank