7.1.4 Water Conservation facilities available in the Institution:

1. Rain Water Harvesting

The college is having rain water harvesting system to conserve the rain water. The earth water level is increased which helped to have water to our college boar. It increases natural storage of waste, and helps the college in getting water for various purposes. From the college campus, the amount of harvested water collected from rooftop is 5984.97cu.m.while the surface land area calculated is 10733.66 cu. m. The total college campus harvesting potential is 16718.63 cu. m. or 16718630 liters. This huge water can be used for recharge ground water level of borewells within campus.

Rain water harvesting pit

a) Location of Rainwater Harvesting pits:

Rain Water Harvesting Pits location Details		
DIET		
S.No	**Location of pits**	**Nos**
1	DIET Main block, near to the open Dias	1Nos
2	Near to the Bus parking	1Nos
	Total	2Nos

2. Borewell / Openwell recharge

Total area of the college campus is nearly 46143Sq.mts., on that only area of 6135 Sq.mts. (i.e., 15% on total area) was developed as academic zones and the balance area is about 40008 Sq.mts. (i.e., 85% on total area) was earmarked for greenery. The college campus depends on ground water for all its needs and the daily need of water in the campus is around 70000 liters (approximately). To compensate the mentioned daily need we had constructed 3 number of bore wells with different depths as per the sub soil water position and all are recharge regularly with 3 Nos of harvesting ponds and 2 Nos of harvesting and soak pits.

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An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.

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Ground Water Recharge Pit

Locations of Borewells:

S.No	Location of the Borewell	Borewell Depth
1	Near car parking	180 Feet
2	At M.V Block (Civil Labs)	190 Feet
3	Playground	

Waste water storage 20,000 liters capacity which is coming from RO Plant System.

3. **Construction of tanks and bunds**

Web link: https://drive.google.com/file/d/1PgJxwlFT0J-5PHf9IxVaHPM7LVJ_8_jx/view?usp=sharing

4. Waste water recycling

In this institute, the waste water has been purified by modern treatment technology using Filtration and Reverse Osmosis membrane. The plant having the purifying capacity of maximum 24000 liters a day. The raw water with an average total dissolved solid [TDS] of 750-1000 ppm is treated to reduce the TDS content to less than 100 ppm, which is generally acceptable upper limit of the TDS. In order to meet the requirements for all the people including students, staff and others is receiving a maximum of 2000 liters per day. Main process comprises of RO membrane filters held in parallel to each other and post treatment. The RO plant treated drinking water is dispensed through water filters throughout the institute which includes Class Room Blocks, Laboratory Blocks, Administrative Block, cafeteria and other locations in the campus. The waste water from the RO have been utilizing for gardening and washing purposes.

Waste water used for greenery

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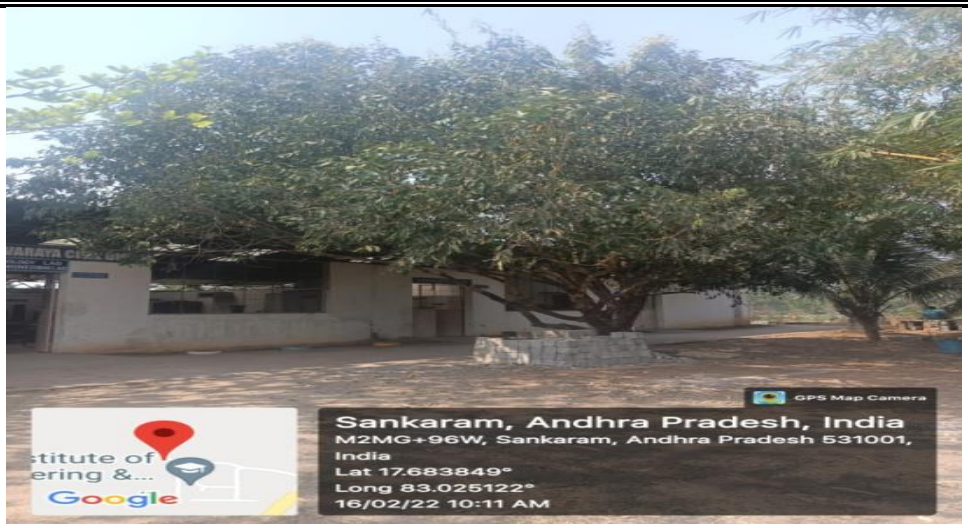

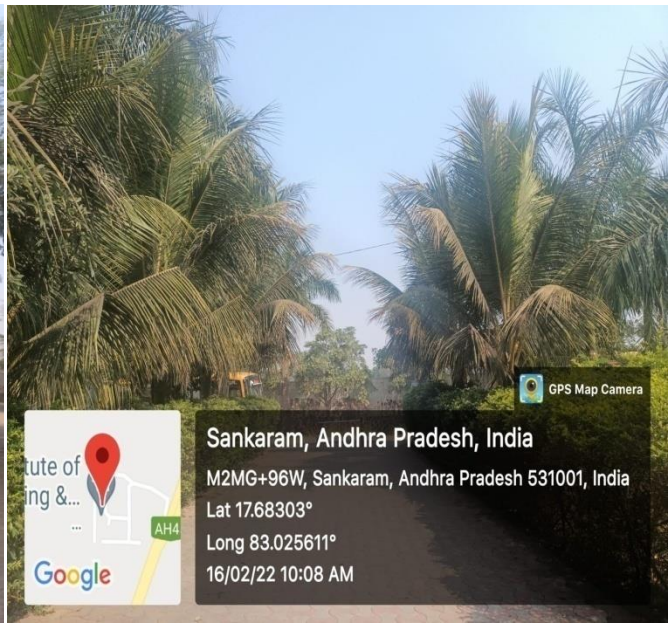

Waste water used for landscaping in the campus

Web link: https://drive.google.com/file/d/1PgJxwlFT0J-5PHf9IxVaHPM7LVJ_8_jx/view?usp=sharing

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