DON BOSCO COLLEGE

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WATER CONSERVATION

3. WATER CONSERVATION FACILITIES

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A. RAIN WATER HARVESTING

The college has taken maximum steps to harvest rainwater inside the college campus. Rain water from the terrace and other areas is collected and preserved in a separate sump built specifically for harvesting the rain water with 50,000 liters capacity and this water is filtered and reused for other purpose like for watering the plants, usage in the washroom.

Rain Water Harvesting System at Main block (Pipe line)

Rain Water Harvesting System (Water collection mini tank)

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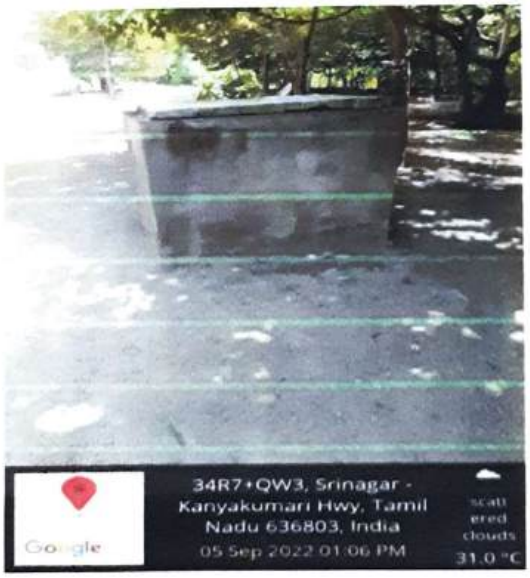
Rain Water Storage Tank (capacity - 50,000 liters)

B. BOREWELL

The concentration of the chemical parameters namely calcium, chlorides magnesium in the bore water is within the prescribed permissible limits of potable drinking water quality (Standard of IS:10500:2012).

BOREWELL



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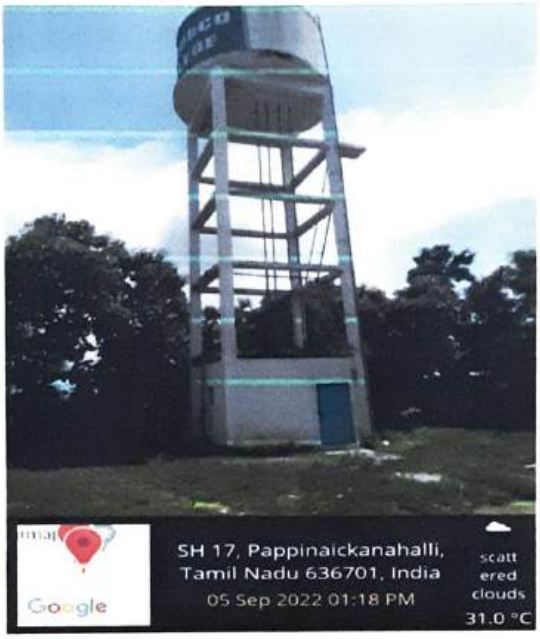
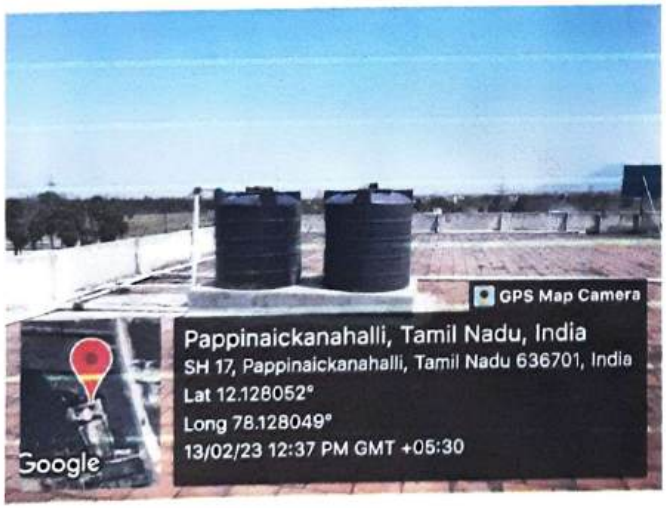
C. CONSTRUCTION OF TANKS AND BUNDS.

Water Tanks have been constructed to provide adequate water facility. Rain water harvesting tanks in the campus which provides both utility and drinking water. Water to the tanks is got through rain water harvest plant, bore wells and direct purchase of water. Water processed through RO Plant is sent to the separate water tanks after which the drinking water is distributed throughout the campus at different water points.

Concrete Water Tank



SYNTEX TANKS



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D. WASTE WATER RECYCLING.

Treatment of wastewater generated by domestic usage is done by a reed bed system. The system is a bio mimicry of a wetland. It has a specially chosen reed species on its surface. This reed species absorbs oxygen from the atmosphere and release it through roots.

Waste Water Collection Point 1

Waste Water Collection Point 2

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

There are 2 rain water collection ponds maintained inside the campus at selected sites. This structures aid in storing the water collected through seepage and ultimately replenishes the ground water table.

Rain Water Collection Junction

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