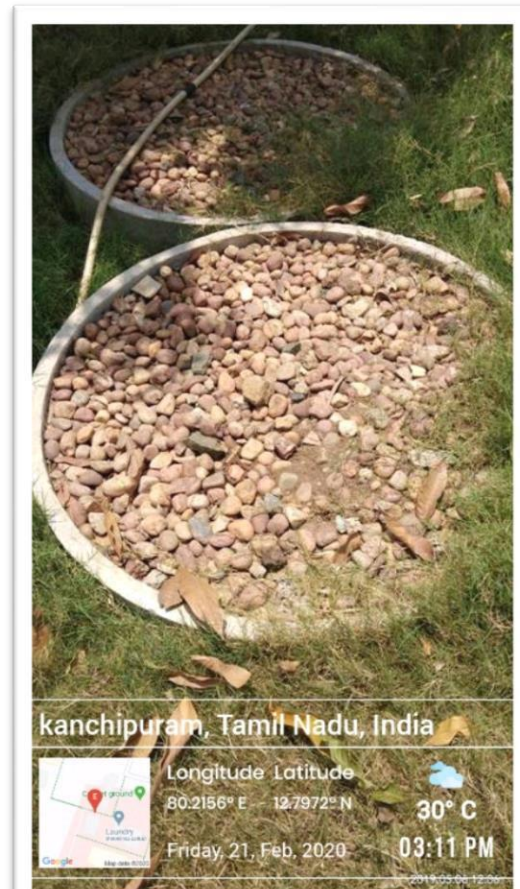



7.1.5

WATER CONSERVATION FACILITIES

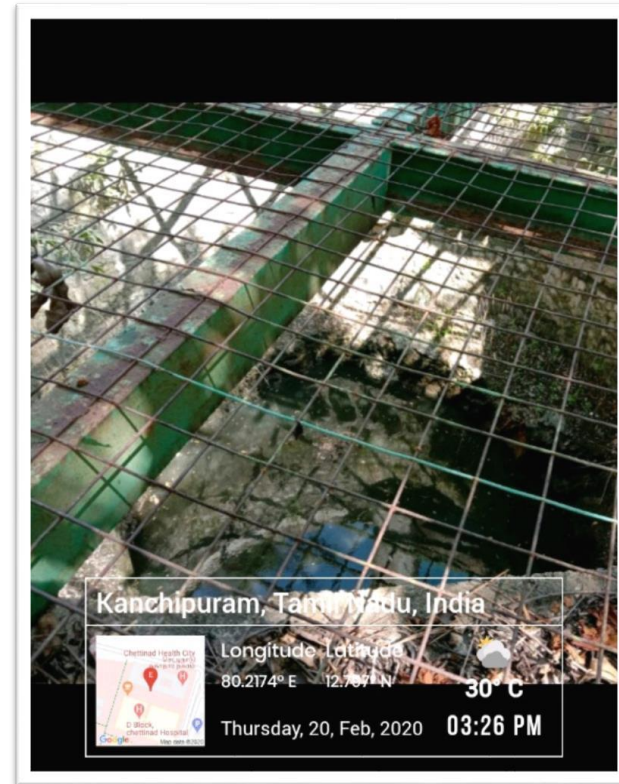
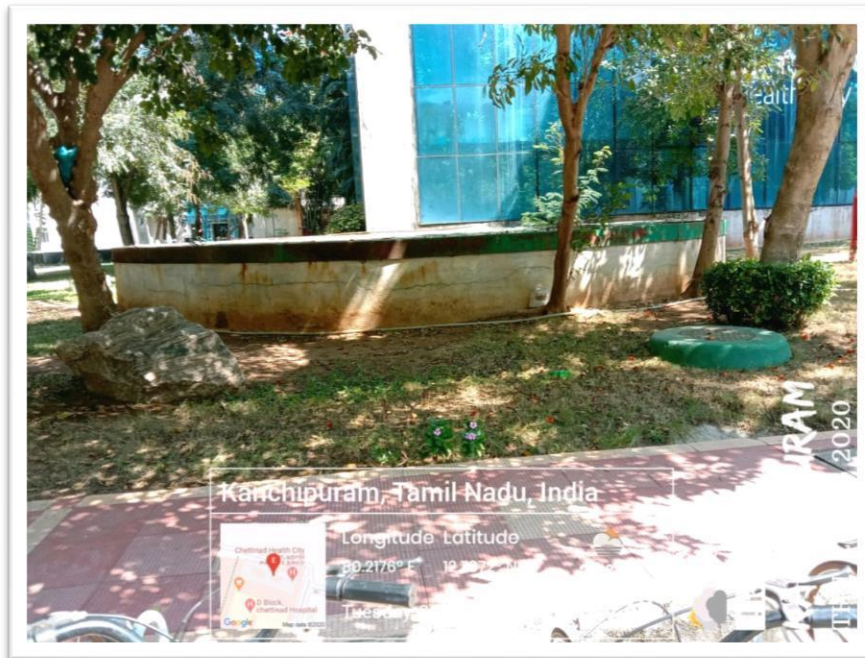


1. RAIN WATER HARVESTING




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KELAMBAKKAM - 603 103.

WATER CONSERVATION FACILITIES




2. BOREWELLS/OPEN WELL RECHARGE


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WATER CONSERVATION FACILITIES




3. CONSTRUCTION OF TANKS AND BUNDS



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WATER CONSERVATION FACILITIES




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4. WASTE WATER RECYCLING



WATER CONSERVATION FACILITIES

USE OF WASTE WATER




GARDEN WATERING is the main use of Treated Sewage Water. Nearly 850 KLD to 1 MLD of Treated Sewage Water is used to water the Lawn Areas, Plants, Shrubs and Trees of our premises. Lawns are laid with running PVC Pipe Lines and are branched with Sprinklers attached to the points all over the campus. Sprinkling Water System not only

avoids water wastage, but also enables efficient percolation of water to the roots of the plants.

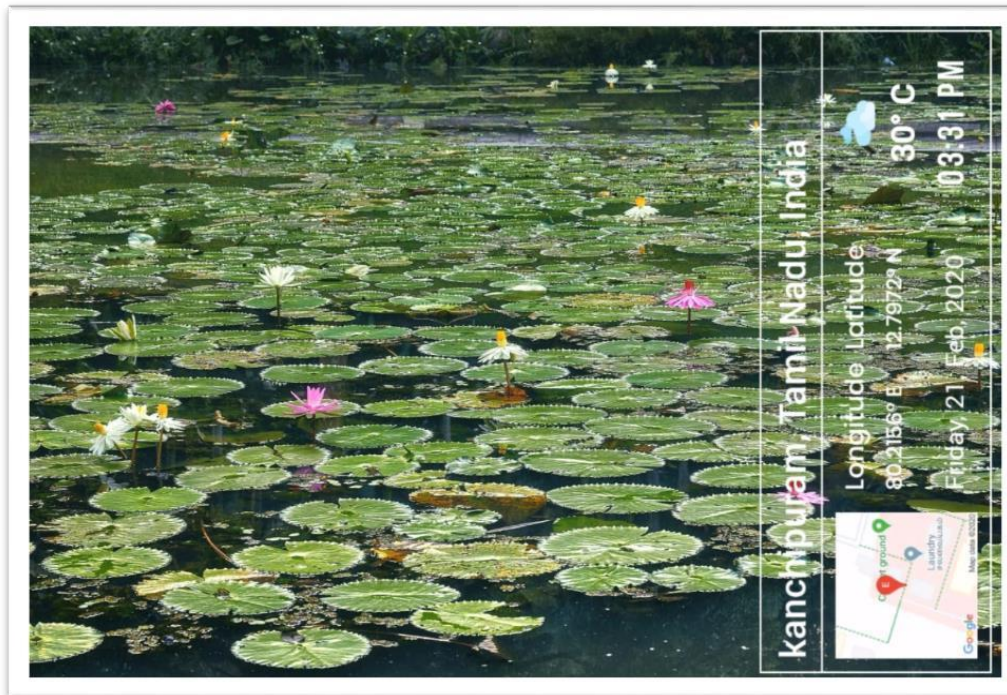



COOLING TOWER MAKE-UP is another area where the Treated Sewage Water finds its use. Our Campus' Centralized A.C. System has 4 Nos. of 400 TR Cooling Towers. Make up water to these Cooling Towers, which is to the tune of 80 - 100 KLD is generated through Softening System where the Input to the plant is the Treated Water of the STP.

4. WASTE WATER RECYCLING


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WATER CONSERVATION FACILITIES




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WATER CONSERVATION FACILITIES

TREATMENT OF BLACK WATER AND GREY WATER

Black Water from the Toilets and Grey Water from the Canteen and Labs are treated commonly in our Sewage Treatment Plants (capacity of 2 x 600 KLD) - One of SURFACE AERATION TYPE and the other of MBBR TYPE. Lines of Process for these 2 types of Plants. The treated water is stored in a common Collection Tank. A dedicated 5 member team look after the O & M of these plants. Required Chemicals like Urea and Nutrients are added to the aeration tank and chemical dosing done appropriately, the parameters of the Treated Water are within the standards laid by the Tamil Nadu Pollution Control Board.



Surface Aeration Type



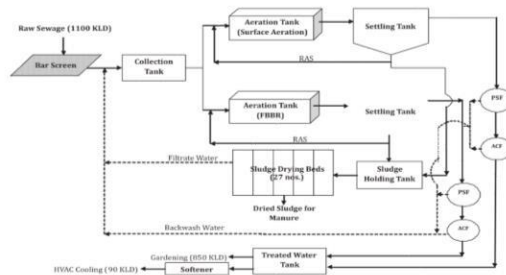
MBBR Type




Filter Media



Drying Beds




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